

Bibliography from ADS file: demoulin.bib
September 14, 2022

- Verbeke, C., Schmieder, B., Démoulin, P., et al., “Over-expansion of coronal mass ejections modelled using 3D MHD EUHFORIA simulations”, 2022AdSpR...70.1663V ADS
- Schmieder, B., Dasso, S., Grison, B., et al., “Pressure balance of coronal mass ejections during their Sun-Earth journey modelled by 3D MHD EUHFORIA simulations”, 2022cosp...44.2474S ADS
- Dasso, S., Demoulin, P., Janvier, M., & Lanabere, V., “Magnetic field lines configuration inside magnetic clouds: observations at 1 au”, 2022cosp...44.2435D ADS
- Mandrini, C. H., López Fuentes, M., Poisson, M., Demoulin, P., & Grings, F., “Bayesian approach for modeling global magnetic parameters of solar active regions”, 2022cosp...44.2413M ADS
- Baker, D., Demoulin, P., Long, D., et al., “Evolution of Plasma Composition in an Eruptive Flux Rope”, 2022cosp...44.1361B ADS
- Janvier, M., Dasso, S., Demoulin, P., et al., “Interpreting the Two-step Forbush Decrease with a closer look at the two substructures modulating Galactic Cosmic Rays within Coronal Mass Ejections”, 2022cosp...44.1272J ADS
- Poisson, M., Grings, F., Mandrini, C. H., López-Fuentes, M., & Démoulin, P., “Bayesian approach for modeling solar active region global magnetic parameters”, 2022arXiv220705900P ADS
- Dakeyo, Maksimovic, Démoulin, Halekas, & Stevens, “Statistical Analysis of the Radial Evolution of the Solar Winds between 0.1 and 1 au, and their Semi-empirical Iso-poly Fluid Modeling”, 2022arXiv220703898D ADS
- Joshi, R., Mandrini, C. H., Chandra, R., et al., “Analysis of the Evolution of a Multi-Ribbon Flare and Failed Filament Eruption”, 2022SoPh...297...81J ADS
- Vemareddy, P., Démoulin, P., Sasikumar Raja, K., et al., “Eruption of the EUV Hot Channel from the Solar Limb and Associated Moving Type IV Radio Burst”, 2022ApJ...927...108V ADS
- Baker, D., Green, L. M., Brooks, D. H., et al., “Evolution of Plasma Composition in an Eruptive Flux Rope”, 2022ApJ...924...17B ADS
- López, F. M., Giménez de Castro, C. G., Mandrini, C. H., et al., “A solar flare driven by thermal conduction observed in mid-infrared”, 2022A&A...657A...51L ADS
- Chandra, R., Démoulin, P., Devi, P., Joshi, R., & Schmieder, B., “Filament Eruption Driving EUV Loop Contraction and Then Expansion above a Stable Filament”, 2021ApJ...922...227C ADS
- Janvier, M., Démoulin, P., Guo, J., et al., “The Two-step Forbush Decrease: A Tale of Two Substructures Modulating Galactic Cosmic Rays within Coronal Mass Ejections”, 2021ApJ...922...216J ADS
- Baker, D., Mihailescu, T., Démoulin, P., et al., “Plasma Upflows Induced by Magnetic Reconnection Above an Eruptive Flux Rope”, 2021SoPh...296...103B ADS
- Schmieder, B., Verbeke, C., Chané, E., et al., “ICMEs and low plasma density in the solar wind observed at 1L”, 2021EGUGA...23.1799S ADS
- Chané, E., Schmieder, B., Dasso, S., et al., “Over-expansion of a coronal mass ejection generates sub-Alfvénic plasma conditions in the solar wind at Earth”, 2021A&A...647A.149C ADS
- Devi, P., Démoulin, P., Chandra, R., et al., “Observations of a prominence eruption and loop contraction”, 2021A&A...647A...85D 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
- Mandrini, C. H., López Fuentes, M., Poisson, M., & Demoulin, P., “A method to correct the effect of magnetic tongues and its application to measure active-region tilt angles”, 2021cosp...43E1760M ADS
- Dasso, S., Rodríguez, L., Demoulin, P., et al., “Magnetic twist distribution inside interplanetary flux ropes”, 2021cosp...43E1756D ADS
- Regnault, F., Dasso, S., Auchere, F., et al., “20 years of ACE data: how superposed epoch analyses reveal generic features in interplanetary CME profiles”, 2021cosp...43E1017R ADS
- Schmieder, B., Poedts, S., Grison, B., et al., “Initiation of CMEs and their geo-effectiveness”, 2021cosp...43E1013S 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
- Regnault, F., Janvier, M., Démoulin, P., et al., “20 Years of ACE Data: How Superposed Epoch Analyses Reveal Generic Features in Interplanetary CME Profiles”, 2020JGRA...12528150R ADS
- Valori, G., Démoulin, P., Pariat, E., et al., “Additivity of relative magnetic helicity in finite volumes”, 2020A&A...643A...26V ADS
- O’Kane, J., Mandrini, C., Demoulin, P., et al., “The Magnetic Environment of a Stealth CME”, 2020SPD...51210050 ADS
- Démoulin, P., Dasso, S., Lanabere, V., & Janvier, M., “Contribution of the ageing effect to the observed asymmetry of interplanetary magnetic clouds”, 2020A&A...639A...6D ADS
- Schmieder, B., Kim, R. S., Grison, B., et al., “Low Geo-Effectiveness of Fast Halo CMEs Related to the 12 X-Class Flares in 2002”, 2020JGRA...12527529S ADS
- von Forstner, J., Guo, J., Wimmer-Schweingruber, R. F., et al., “Using Forbush decreases at Earth and Mars to measure the radial evolution of ICMEs”, 2020EGUGA...22.7838V ADS
- Poisson, M., Démoulin, P., Mandrini, C. H., & López Fuentes, M. C., “Active-region Tilt Angles from White-light Images and Magnetograms: The Role of Magnetic Tongues”, 2020ApJ...894...131P 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
- Freiherr von Forstner, J. L., Guo, J., Wimmer-Schweingruber, R. F., et al., “Comparing the Properties of ICME-Induced Forbush Decreases at Earth and Mars”, 2020JGRA...12527662F ADS
- Lanabere, V., Dasso, S., Démoulin, P., et al., “Magnetic twist profile inside magnetic clouds derived with a superposed epoch analysis”, 2020A&A...635A...85L ADS
- Poisson, M., López Fuentes, M. C., Mandrini, C. H., Démoulin, P., & MacCormack, C., “Correcting the effect of magnetic tongues on the tilt angle of bipolar active regions”, 2020A&A...633A.151P ADS
- Démoulin, P., Dasso, S., Janvier, M., & Lanabere, V., “Re-analysis of Lepping’s Fitting Method for Magnetic Clouds: Lundquist Fit Reloaded”, 2019SoPh...294...172D ADS
- Freiherr von Forstner, J. L., Guo, J., Wimmer-Schweingruber, R. F., et al., “Comparing the Properties of ICME-Induced Forbush Decreases at Earth and Mars”, 2019AGUFMSH41D3339F ADS
- Russell, A. J. B., Demoulin, P., Hornig, G., Pontin, D. I., & Candelaresi, S., “Do Current and Magnetic Helicities Have the Same Sign?”, 2019ApJ...884...55R ADS
- Edmondson, J. K. & Démoulin, P., “Definition of the Spatial Propagator and Implications for Magnetic Field Properties”, 2019SoPh...294...76E 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
- Jenkins, J. M., Hopwood, M., Démoulin, P., et al., “Modeling the Effect of Mass-draining on Prominence Eruptions”, 2019ApJ...873...49J ADS
- Janvier, M., Winslow, R. M., Good, S., et al., “Generic Magnetic Field Intensity Profiles of Interplanetary Coronal Mass Ejections at Mercury, Venus, and Earth From Superposed Epoch Analyses”, 2019JGRA...124...812J ADS
- López Fuentes, M., Mandrini, C. H., Poisson, M., et al., “Physical Processes Involved in the EUV ‘Surge’ Event of 9 May 2012”, 2018SoPh...293...166L ADS
- Vemareddy, P. & Demoulin, P., “Recurrent eruptions by converging and shearing polarities in a solar AR 12371”, 2018csc...confE...67V ADS
- Aulanier, G., Dudik, J., Zucarello, F. P., Demoulin, P., & Schmieder, B., “The nature of imploding loops during solar eruptions as revealed by MHD simulations and AIA observations”, 2018csc...confE...19A ADS
- Démoulin, P., Dasso, S., & Janvier, M., “Exploring the biases of a new method based on minimum variance for interplanetary magnetic clouds”, 2018A&A...619A.139D ADS
- Dacie, S., Török, T., Démoulin, P., et al., “Sequential Eruptions Triggered by Flux Emergence: Observations and Modeling”, 2018ApJ...862...117D ADS
- Poisson, M., Mandrini, C. H., López Fuentes, M., & Demoulin, P., “The effect of magnetic tongues in the determination of Joy’s law”, 2018cosp...42E2706P ADS
- Janvier, M., Dasso, S., & Demoulin, P., “Constructing a Generic Icm from the Sun to Earth from Statistical Studies of in Situ Data”, 2018cosp...42E1600J ADS
- Dasso, S., Rodríguez, L., Luciano, d., Demoulin, P., et al., “Manifestation of Coronal Mass Ejections near Earth: A review”, 2018cosp...42E.768D ADS
- Baker, D., Brooks, D. H., van Driel-Gesztelyi, L., et al., “Coronal Elemental Abundances in Solar Emerging Flux Regions”, 2018ApJ...856...71B 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
- Dacie, S., van Driel-Gesztelyi, L., Démoulin, P., et al., “Field distribution of magnetograms from simulations of active region formation”, 2017A&A...606A...34D ADS
- Dalmasse, K., Valori, G., Jing, J., Pariat, E., & Demoulin, P., “Studying the transfer of magnetic helicity in solar active regions”, 2017SPD...4811206D 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
- Dudík, J., Zuccarello, F. P., Aulanier, G., Schmieder, B., & Démoulin, P., “*Expanding and Contracting Coronal Loops as Evidence of Vortex Flows Induced by Solar Eruptions*”, 2017ApJ...844...54D ADS
- Harra, L. K., Ugarte-Urra, I., De Rosa, M., et al., “*A study of the long term evolution in active region upflows*”, 2017PASJ...69...47H ADS
- Baker, D., Janvier, M., Démoulin, P., & Mandrini, C. H., “*Apparent and Intrinsic Evolution of Active Region Upflows*”, 2017SoPh...292...46B ADS
- Zuccarello, F. P., Aulanier, G., Dudík, J., et al., “*Vortex and Sink Flows in Eruptive Flares as a Model for Coronal Implosions*”, 2017ApJ...837...115Z ADS
- Vemareddy, P. & Démoulin, P., “*Successive injection of opposite magnetic helicity in solar active region NOAA 11928*”, 2017A&A...597A.104V ADS
- Janvier, M., Demoulin, P., Dasso, S., & Masías, J., “*Tracing the Evolution of ICMEs from Sun to Earth*”, 2016AGUFM5H3A...03J ADS
- Dacie, S., Démoulin, P., van Driel-Gesztelyi, L., et al., “*Evolution of the magnetic field distribution of active regions*”, 2016A&A...596A...69D ADS
- Démoulin, P., Janvier, M., Masías-Meza, J. J., & Dasso, S., “*Quantitative model for the generic 3D shape of ICMEs at 1 AU*”, 2016A&A...595A...19D ADS
- Rodríguez, L., Masías-Meza, J. J., Dasso, S., et al., “*Typical Profiles and Distributions of Plasma and Magnetic Field Parameters in Magnetic Clouds at 1 AU*”, 2016SoPh...291.2145R ADS
- Pontin, D., Galsgaard, K., & Démoulin, P., “*Why Are Flare Ribbons Associated with the Spines of Magnetic Null Points Generically Elongated?*”, 2016SoPh...291.1739P ADS
- Poisson, M., Démoulin, P., López Fuentes, M., & Mandrini, C. H., “*Properties of Magnetic Tongues over a Solar Cycle*”, 2016SoPh...291.1625P ADS
- Masías-Meza, J. J., Dasso, S., Démoulin, P., Rodríguez, L., & Janvier, M., “*Superposed epoch study of ICME sub-structures near Earth and their effects on Galactic cosmic rays*”, 2016A&A...592A.118M ADS
- Dasso, S., Rodríguez, L., Demoulin, P., Masías-Meza, J. J., & Janvier, M., “*Manifestation of Coronal Mass Ejections near Earth: A review*”, 2016cosp...41E.405D ADS
- Pontin, D. I., Galsgaard, K., & Demoulin, P., “*Why are flare ribbons generically elongated in configurations with magnetic null points?*”, 2016SPD...47.0625P ADS
- Pick, M., Stenborg, G., Démoulin, P., Zucca, P., & Lecacheux, A., “*Homologous Solar Events on 2011 January 27: Build-up and Propagation in a Complex Coronal Environment*”, 2016ApJ...823...5P ADS
- Démoulin, P., Janvier, M., & Dasso, S., “*Magnetic Flux and Helicity of Magnetic Clouds*”, 2016SoPh...291...531D 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
- Janvier, M., Aulanier, G., & Démoulin, P., “*From Coronal Observations to MHD Simulations, the Building Blocks for 3D Models of Solar Flares (Invited Review)*”, 2015SoPh...290.3425J ADS
- Poisson, M., López Fuentes, M., Mandrini, C. H., & Démoulin, P., “*Active-Region Twist Derived from Magnetic Tongues and Linear Force-Free Extrapolations*”, 2015SoPh...290.3279P ADS
- Dalmasse, K., Aulanier, G., Démoulin, P., et al., “*The Origin of Net Electric Currents in Solar Active Regions*”, 2015ApJ...810...17D ADS
- Mandrini, C. H., Baker, D., Démoulin, P., et al., “*Parallel Evolution of Quasi-separatrix Layers and Active Region Upflows*”, 2015ApJ...809...73M ADS
- Pariat, E., Valori, G., Démoulin, P., & Dalmasse, K., “*Testing magnetic helicity conservation in a solar-like active event*”, 2015A&A...580A.128P ADS
- Möstl, C., Rollett, T., Frahm, R. A., et al., “*Strong coronal channelling and interplanetary evolution of a solar storm up to Earth and Mars*”, 2015NatCo...6.7135M ADS
- Janvier, M., Dasso, S., Démoulin, P., Masías-Meza, J. J., & Lugaz, N., “*Comparing generic models for interplanetary shocks and magnetic clouds axis configurations at 1 AU*”, 2015JGRA...120.3328J ADS
- Dalmasse, K., Aulanier, G., Török, T., et al., “*Electric current neutralization in solar active regions*”, 2015TESS...111303D ADS
- Möstl, C., Rollett, T., Frahm, R. A., et al., “*Strong coronal deflection of a CME and its interplanetary evolution to Earth and Mars*”, 2015EGUGA...17.1366M ADS
- Baker, D., Brooks, D. H., Démoulin, P., et al., “*FIP Bias Evolution in a Decaying Active Region*”, 2015ApJ...802...104B ADS
- Poisson, M., Mandrini, C. H., Démoulin, P., & López Fuentes, M., “*Evidence of Twisted Flux-Tube Emergence in Active Regions*”, 2015SoPh...290...727P ADS
- Ruffenach, A., Lavraud, B., Farrugia, C. J., et al., “*Statistical study of magnetic cloud erosion by magnetic reconnection*”, 2015JGRA...120...43R ADS
- Lavraud, B., Ruffenach, A., Manchester, W., et al., “*Magnetic Flux Erosion and Redistribution during CME Propagation*”, 2014AGUFM5H22A...01L ADS
- Mandrini, C. H., Nuevo, F. A., Vásquez, A. M., et al., “*How Can Active Region Plasma Escape into the Solar Wind from Below a Closed Helmet Streamer?*”, 2014SoPh...289.4151M ADS
- Zucca, P., Pick, M., Démoulin, P., et al., “*Understanding Coronal Mass Ejections and Associated Shocks in the Solar Corona by Merging Multiwavelength Observations*”, 2014ApJ...795...68Z ADS
- Culhane, J. L., Brooks, D. H., van Driel-Gesztelyi, L., et al., “*Tracking Solar Active Region Outflow Plasma from Its Source to the Near-Earth Environment*”, 2014SoPh...289.3799C ADS
- Guo, Y., Démoulin, P., Schmieder, B., et al., “*Recurrent Coronal Jets Induced by Magnetic Emergence in the Solar Atmosphere*”, 2014RMxAC...44...45G ADS
- Janvier, M., Démoulin, P., & Dasso, S., “*In situ properties of small and large flux ropes in the solar wind*”, 2014JGRA...119.7088J ADS
- Gosain, S., Démoulin, P., & López Fuentes, M., “*Distribution of Electric Currents in Sunspots from Photosphere to Corona*”, 2014ApJ...793...15G ADS
- Janvier, M., Démoulin, P., & Dasso, S., “*Are There Different Populations of Flux Ropes in the Solar Wind?*”, 2014SoPh...289.2633J ADS
- Mandrini, C. H., Schmieder, B., Démoulin, P., Guo, Y., & Cristiani, G. D., “*Topological Analysis of Emerging Bipole Clusters Producing Violent Solar Events*”, 2014SoPh...289.2041M ADS
- Török, T., Kliem, B., Berger, M. A., et al., “*The evolution of writhe in kink-unstable flux ropes and erupting filaments*”, 2014PPCF...56f4012T 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
- Janvier, M., Aulanier, G., Bommier, V., et al., “*Electric Currents in Flare Ribbons: Observations and Three-dimensional Standard Model*”, 2014ApJ...788...60J ADS
- Janvier, M., Démoulin, P., & Dasso, S., “*Mean shape of interplanetary shocks deduced from in situ observations and its relation with interplanetary CMEs*”, 2014A&A...565A...99J ADS
- Schmieder, B., Harra, L. K., Aulanier, G., et al., “*Electric current variations and 3D magnetic configuration of coronal jets*”, 2014cosp...40E2928S ADS
- Poisson, M., Mandrini, C. H., López Fuentes, M., & Demoulin, P., “*Active region helicity properties from magnetic tongues.*”, 2014cosp...40E2579P ADS
- Mandrini, C. H., Schmieder, B., Cristiani, G., Demoulin, P., & Guo, Y., “*Magnetic flux emergence, flares, and coronal mass ejections*”, 2014cosp...40E1980M ADS
- Mandrini, C. H., Culhane, J. L., Cristiani, G., et al., “*Active region upflow plasma: its relation to small activity and the solar wind*”, 2014cosp...40E1979M ADS
- Dasso, S., Janvier, M., Demoulin, P., & Masías Meza, J., “*Highlights of Interplanetary Coronal Mass Ejections and its impact on the terrestrial environment*”, 2014cosp...40E.637D ADS
- Dasso, S., Janvier, M., Demoulin, P., & Masías-Meza, J. J., “*Structure of ICMEs and their driven shocks at 1 AU, and consequences on Forbush decreases*”, 2014cosp...40E.636D ADS
- Dalmasse, K., Pariat, E., Kliem, B., et al., “*Electric currents in solar active regions*”, 2014cosp...40E.613D ADS
- Dalmasse, K., Pariat, E., Green, L. M., et al., “*Constraining magnetic flux emergence from a timeseries of helicitygrams*”, 2014cosp...40E.612D ADS
- Dalmasse, K., Pariat, E., Démoulin, P., & Aulanier, G., “*Photospheric Injection of Magnetic Helicity: Connectivity-Based Flux Density Method*”, 2014SoPh...289...107D 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
- Schmieder, B., Cremades, H., Mandrini, C., Démoulin, P., & Guo, Y., “*Recurrent filament eruptions and associated CMEs*”, 2014IAUS...300...489S ADS
- Janvier, M., Démoulin, P., & Dasso, S., “*Flux rope axis geometry of magnetic clouds deduced from in situ data*”, 2014IAUS...300...265J ADS
- Démoulin, P., “*Evolution of interplanetary coronal mass ejections and magnetic clouds in the heliosphere*”, 2014IAUS...300...245D ADS
- Baker, D., Brooks, D. H., Démoulin, P., et al., “*FIP bias in a sigmoidal active region*”, 2014IAUS...300...222B ADS
- Baker, D., Brooks, D. H., Démoulin, P., et al., “*Plasma Composition in a Sigmoidal Anemone Active Region*”, 2013ApJ...778...69B ADS
- Janvier, M., Démoulin, P., & Dasso, S., “*Global axis shape of magnetic clouds deduced from the distribution of their local axis orientation*”, 2013A&A...556A...50J 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

- Janvier, M., Aulanier, G., Pariat, E., & Démoulin, P., “The standard flare model in three dimensions. III. Slip-running reconnection properties”, 2013A&A...555A..77J ADS
- Guo, Y., Démoulin, P., Schmieder, B., et al., “Recurrent coronal jets induced by repetitively accumulated electric currents”, 2013A&A...555A..19G ADS
- Schmieder, B., Démoulin, P., & Aulanier, G., “Solar filament eruptions and their physical role in triggering coronal mass ejections”, 2013AdSpR...51.1967S ADS
- Poisson, M., López Fuentes, M., Mandrini, C. H., Démoulin, P., & Pariat, E., “Study of magnetic flux emergence and related activity in active region NOAA 10314”, 2013AdSpR...51.1834P ADS
- Ruffenach, A., Lavraud, B., Farrugia, C. J., et al., “Statistical analysis of magnetic cloud erosion by magnetic reconnection”, 2013AGUSMSH33A..03R ADS
- Valori, G., Démoulin, P., Pariat, E., & Masson, S., “Accuracy of magnetic energy computations”, 2013A&A...553A..38V ADS
- Démoulin, P., Baker, D., Mandrini, C. H., & van Driel-Gesztelyi, L., “The 3D Geometry of Active Region Upflows Deduced from Their Limb-to-Limb Evolution”, 2013SoPh...283..341D ADS
- Démoulin, P., Dasso, S., & Janvier, M., “Does spacecraft trajectory strongly affect detection of magnetic clouds?”, 2013A&A...550A...3D ADS
- Aulanier, G., Démoulin, P., Schrijver, C. J., et al., “The standard flare model in three dimensions. II. Upper limit on solar flare energy”, 2013A&A...549A..66A ADS
- Ruffenach, A., Lavraud, B., Farrugia, C. J., et al., “Statistical analysis of magnetic cloud erosion by magnetic reconnection”, 2012AGUFMSH31A2203R ADS
- van Driel-Gesztelyi, L., Culhane, J. L., Baker, D., et al., “Magnetic Topology of Active Regions and Coronal Holes: Implications for Coronal Outflows and the Solar Wind”, 2012SoPh...281..237V ADS
- Ruffenach, A., Lavraud, B., Owens, M. J., et al., “Multispacecraft observation of magnetic cloud erosion by magnetic reconnection during propagation”, 2012JGRA...117.9101R ADS
- Démoulin, P., Vourlidas, A., Pick, M., & Bouteille, A., “Erratum: “Initiation and Development of the White-light and Radio Coronal Mass Ejection on 2001 April 15” (2012, ApJ, 750, 147)”, 2012ApJ...754..156D ADS
- Baker, D., van Driel-Gesztelyi, L., Mandrini, C. H., Démoulin, P., & Murray, M. J., “Identifying the Main Driver of Active Region Outflows”, 2012ASPC...454..425B ADS
- Schmieder, B., Guo, Y., Aulanier, G., et al., “Reconstruction of 3D Coronal Magnetic Structures from THEMIS/MTR and Hinode/SOT Vector Maps”, 2012ASPC...454..363S 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
- Schmieder, B., Demoulin, P., Mandrini, C. H., & Guo, Y., “Topology analysis of emerging bipole clusters producing violent solar events observed by SDO”, 2012cosp...39.1724S ADS
- Mandrini, C. H., Culhane, J. L., Vourlidas, A., et al., “Magnetic topology, coronal outflows, and the solar wind”, 2012cosp...39.1173M ADS
- Dalmasse, K., Pariat, E., & Demoulin, P., “Photospheric injection of magnetic helicity: implementation of a new density estimate”, 2012cosp...39..393D ADS
- Poisson, M., Fuentes, M. L., Mandrini, C. H., Démoulin, P., & Pariat, E., “Evolution of a very complex active region during the decay phase of Cycle 23”, 2012IAUS...286..246P ADS
- Dasso, S., Démoulin, P., & Gulisano, A. M., “Magnetic clouds along the solar cycle: expansion and magnetic helicity”, 2012IAUS...286..139D ADS
- Gulisano, A. M., Démoulin, P., Dasso, S., & Rodríguez, L., “Expansion of magnetic clouds in the outer heliosphere”, 2012A&A...543A.107G ADS
- Owens, M. J., Démoulin, P., Savani, N. P., Lavraud, B., & Ruffenach, A., “Implications of Non-cylindrical Flux Ropes for Magnetic Cloud Reconstruction Techniques and the Interpretation of Double Flux Rope Events”, 2012SoPh...278..4350 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
- Démoulin, P., Vourlidas, A., Pick, M., & Bouteille, A., “Initiation and Development of the White-light and Radio Coronal Mass Ejection on 2001 April 15”, 2012ApJ...750..147D ADS
- Pariat, E. & Démoulin, P., “Estimation of the squashing degree within a three-dimensional domain”, 2012A&A...541A..78P ADS
- Lejeune, B., Mahieu, E., Schneider, M., et al., “Long-term series of tropospheric water vapour amounts and HDO/H2O ratio profiles above Jungfraujoch.”, 2012EGUGA...14.7923L ADS
- Guo, Y., Ding, M. D., Schmieder, B., Démoulin, P., & Li, H., “Evolution of Hard X-Ray Sources and Ultraviolet Solar Flare Ribbons for a Confined Eruption of a Magnetic Flux Rope”, 2012ApJ...746...17G ADS
- Masson, S., Démoulin, P., Dasso, S., & Klein, K. L., “The interplanetary magnetic structure that guides solar relativistic particles”, 2012A&A...538A..32M ADS
- Poisson, M., López Fuentes, M., Mandrini, C. H., & Démoulin, P., “Magnetic tongues properties in solar active regions”, 2012BAAA...55..147P ADS
- Nakwacki, M. S., Dasso, S., Démoulin, P., Mandrini, C. H., & Gulisano, A. M., “Dynamical evolution of a magnetic cloud from the Sun to 5.4 AU”, 2011A&A...535A..52N ADS
- Guo, Y., Schmieder, B., Démoulin, P., et al., “A filament supported by different magnetic field configurations”, 2011IAUS...273..328G ADS
- Schmieder, B., Mandrini, C., Chandra, R., et al., “Solar activity due to magnetic complexity of active regions”, 2011IAUS...273..164S ADS
- López Fuentes, M. C., Mandrini, C. H., & Démoulin, P., “Twist and writhe of δ -island active regions”, 2011IAUS...273..153L ADS
- Masson, S., Démoulin, P., Dasso, S., & Klein, K. L., “Interplanetary magnetic structure guiding relativistic particles”, 2011shin.conf...77M ADS
- Alexander, D., Tian, L., Demoulin, P., & Zhu, C., “On Asymmetry of Magnetic Helicity in Emerging Active Regions: High Resolution Observations”, 2011shin.conf...11A ADS
- Schmieder, B., Démoulin, P., Pariat, E., et al., “Actors of the main activity in large complex centres during the 23 solar cycle maximum”, 2011AdSpR...47.2081S ADS
- Luoni, M. L., Démoulin, P., Mandrini, C. H., & van Driel-Gesztelyi, L., “Twisted Flux Tube Emergence Evidenced in Longitudinal Magnetograms: Magnetic Tongues”, 2011SoPh...270...45L ADS
- Thompson, B., Démoulin, P., Mandrini, C., et al., “Pulsed Flows Along a Cusp Structure Observed with SDO/AIA”, 2011SPD...42.2117T ADS
- Chandra, R., Schmieder, B., Mandrini, C. H., et al., “Homologous Flares and Magnetic Field Topology in Active Region NOAA 10501 on 20 November 2003”, 2011SoPh...269...83C ADS
- Huang, J., Démoulin, P., Pick, M., et al., “Initiation and Early Development of the 2008 April 26 Coronal Mass Ejection”, 2011ApJ...729..107H ADS
- Török, T., Chandra, R., Pariat, E., et al., “Filament Interaction Modeled by Flux Rope Reconnection”, 2011ApJ...728...65T ADS
- Steed, K., Owen, C. J., Démoulin, P., & Dasso, S., “Investigating the observational signatures of magnetic cloud substructure”, 2011JGRA...116.1106S ADS
- Tian, L., Démoulin, P., Alexander, D., & Zhu, C., “On Asymmetry of Magnetic Helicity in Emerging Active Regions: High-resolution Observations”, 2011ApJ...727...28T ADS
- Chandra, R., Schmieder, B., Mandrini, C. H., et al., “Study of solar flares and filament interaction in NOAA 10501 on 20 November, 2003”, 2011ASInC...2..323C ADS
- Dasso, S. & Demoulin, P., “Tracking ICMEs from combining modeling, remote-sensing, and in-situ observations (Invited)”, 2010AGUFMSH52B...04D ADS
- Dasso, S., Demoulin, P., Gulisano, A. M., & Nakwacki, M., “Evolution of geoeffective ICMEs in the inner heliosphere (Invited)”, 2010AGUFMSH43C...05D ADS
- Gulisano, A. M., Dasso, S., & Demoulin, P., “Expansion rate of Magnetic Clouds beyond Earth”, 2010AGUFMSH43A1813G ADS
- Démoulin, P. & Aulanier, G., “Criteria for Flux Rope Eruption: Non-equilibrium Versus Torus Instability”, 2010ApJ...718.1388D ADS
- Guo, Y., Schmieder, B., Démoulin, P., et al., “Coexisting Flux Rope and Dipped Arcade Sections Along One Solar Filament”, 2010ApJ...714..343G ADS
- Gulisano, A. M., Démoulin, P., Dasso, S., Ruiz, M. E., & Marsch, E., “Evolution of magnetic clouds in the inner heliosphere”, 2010AIPC.1216...391G ADS
- Démoulin, P., “Interaction of ICMEs with the Solar Wind”, 2010AIPC.1216...329D ADS
- Démoulin, P., “Why proton temperature and velocity are correlated in the SW and not in ICMEs?”, 2010AIPC.1216...231D ADS
- López Fuentes, M. C., Mandrini, C. H., & Démoulin, P., “Study of helicity properties of peculiar active regions”, 2010IAUS...264..102L ADS
- Masson, S., Dasso, S., & Demoulin, P., “The interplanetary magnetic field associated with the propagation of solar relativistic particles”, 2010cosp...38.3009M ADS
- Baker, D., van Driel-Gesztelyi, L., Mandrini, C. H., & Demoulin, P., “Magnetic reconnection along QSLs - a major driver of active region outflows”, 2010cosp...38.2926B ADS
- Dasso, S., Gulisano, A. M., Demoulin, P., & Marsch, E., “Analysis of Magnetic Clouds Evolution from 0.3 to 5 Astronomical Units”, 2010cosp...38.1922D ADS
- Mandrini, C. H., Chandra, R., Pariat, E., et al., “Ejective events from a complex active region”, 2010cosp...38.1886M ADS

- Schmieder, B., Chandra, R., Demoulin, P., et al., "Actors of the main activity of large complex centres during the 23 Solar Cycle maximum", 2010cosp...38.1861S ADS
- Demoulin, P., Aulanier, G., Toeroek, T., & Deluca, E., "Magnetic Flux Rope Eruption: Non Equilibrium versus Torus Instability", 2010cosp...38.1855D ADS
- Aulanier, G., Török, T., Démoulin, P., & DeLuca, E. E., "Formation of Torus-Unstable Flux Ropes and Electric Currents in Erupting Sigmoids", 2010ApJ...708..314A ADS
- Gulisano, A. M., Démoulin, P., Dasso, S., Ruiz, M. E., & Marsch, E., "Global and local expansion of magnetic clouds in the inner heliosphere", 2010A&A...509A..39G ADS
- Baker, D., van Driel-Gesztelyi, L., Mandrini, C. H., Démoulin, P., & Murray, M. J., "Magnetic Reconnection along Quasi-separatrix Layers as a Driver of Ubiquitous Active Region Outflows", 2009ApJ...705..926B ADS
- Démoulin, P. & Dasso, S., "Magnetic cloud models with bent and oblate cross-section boundaries", 2009A&A...507..969D ADS
- Baker, D., Rouillard, A. P., van Driel-Gesztelyi, L., et al., "Signatures of interchange reconnection: STEREO, ACE and Hinode observations combined", 2009AnGeo...27.3883B ADS
- Démoulin, P., "Why Do Temperature and Velocity Have Different Relationships in the Solar Wind and in Interplanetary Coronal Mass Ejections?", 2009SoPh...257..169D ADS
- Schmieder, B., Aulanier, G., Démoulin, P., & Pariat, E., "Coronal loops, flare ribbons and aurora during slip-running", 2009EP&S...61..565S ADS
- Démoulin, P. & Dasso, S., "Causes and consequences of magnetic cloud expansion", 2009A&A...498..551D ADS
- Démoulin, P. & Pariat, E., "Modelling and observations of photospheric magnetic helicity", 2009AdSpR...43.1013D ADS
- Mandrini, C. H., Nakwacki, M. S., Attrill, G., et al., "The link between CME-associated dimmings and interplanetary magnetic clouds", 2009IAUS...257..265M ADS
- Dasso, S., Mandrini, C. H., Schmieder, B., et al., "Linking two consecutive nonmerging magnetic clouds with their solar sources", 2009JGRA...114.2109D 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?", 2008AGUFM23B1638S ADS
- Attrill, G. D. R., van Driel-Gesztelyi, L., Démoulin, P., et al., "The Recovery of CME-Related Dimmings and the ICME's Enduring Magnetic Connection to the Sun", 2008SoPh...252..349A 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
- Démoulin, P., "A review of the quantitative links between CMEs and magnetic clouds", 2008AnGeo...26.3113D ADS
- van Driel-Gesztelyi, L., Attrill, G. D. R., Démoulin, P., Mandrini, C. H., & Harra, L. K., "Why are CMEs large-scale coronal events: nature or nurture?", 2008AnGeo...26.3077V ADS
- Török, T., Berger, M. A., Kliem, B., et al., "Twist, Writhe and Rotation of Magnetic Flux Ropes in Filament Eruptions and Coronal Mass Ejections", 2008ESPM...12.3.54T ADS
- van Driel-Gesztelyi, L., Goff, C. P., Démoulin, P., et al., "Multi-scale reconstructions in a complex CME", 2008AdSpR...42..858V ADS
- Démoulin, P., Nakwacki, M. S., Dasso, S., & Mandrini, C. H., "Expected In Situ Velocities from a Hierarchical Model for Expanding Interplanetary Coronal Mass Ejections", 2008SoPh...250..347D ADS
- Nakwacki, M. S., Dasso, S., Mandrini, C. H., & Démoulin, P., "Analysis of large scale MHD quantities in expanding magnetic clouds", 2008JASTP...70.1318N 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", 2008AGUSMSP31A...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
- van Driel-Gesztelyi, L., Baker, D., Murray, M., et al., "Interaction between emerging flux and coronal hole - observations and simulations", 2008cosp...37.3288V ADS
- van Driel-Gesztelyi, L., Attrill, G., Demoulin, P., Mandrini, C. H., & Harra, L. K., "Breaking or maintaining magnetic connection of CMEs to the Sun - solar vs. interplanetary signatures tested", 2008cosp...37.3287V ADS
- Soledad Nakwacki, M., Demoulin, P., Dasso, S., & Mandrini, C. H., "Acceleration and expansion of interplanetary coronal mass ejections", 2008cosp...37.2171S ADS
- Mandrini, C. H., Soledad Nakwacki, M. M., Attrill, G., et al., "CME-related dimmings as a signature of interplanetary magnetic cloud footprints", 2008cosp...37.1900M ADS
- Gulisano, A., Demoulin, P., Soledad Nakwacki, M. M., Dasso, S., & Emilia Ruiz, M., "Magnetic Clouds: Global and local expansion", 2008cosp...37.1113G ADS
- Demoulin, P., "Modelling and observations of photospheric helicity", 2008cosp...37..694D ADS
- López Fuentes, M. C., Démoulin, P., & Klimchuk, J. A., "Are Constant Loop Widths an Artifact of the Background and the Spatial Resolution?", 2008ApJ...673..586L ADS
- Attrill, G. D. R., Harra, L. K., van Driel-Gesztelyi, L., Démoulin, P., & Wülser, J. P., "Coronal 'wave': A signature of the mechanism making CMEs large-scale in the low corona?", 2007AN...328..760A ADS
- Dasso, S., Nakwacki, M. S., Démoulin, P., & Mandrini, C. H., "Progressive Transformation of a Flux Rope to an ICME. Comparative Analysis Using the Direct and Fitted Expansion Methods", 2007SoPh...244..115D ADS
- Mandrini, C. H., Nakwacki, M. S., Attrill, G., et al., "Are CME-Related Dimmings Always a Simple Signature of Interplanetary Magnetic Cloud Footprints?", 2007SoPh...244...25M ADS
- Vourlidas, A., Pick, M., Hoang, S., & Démoulin, P., "Erratum: 'Identification of a Peculiar Radio Source in the Aftermath of Large Coronal Mass Ejection Events' (ApJ, 656, L105 [2007])", 2007ApJ...665L.179V ADS
- Schmieder, B., Aulanier, G., Démoulin, P., Pariat, E., & Golub, L., "Slip running reconnection in the Sun's atmosphere observed by RHESSI, SOHO, TRACE and Hinode", 2007AGUSM22A...01S ADS
- Klimchuk, J. A., López Fuentes, M., & Demoulin, P., "Coronal Loops Really Do Have Constant Cross Sections", 2007AAS...210.9111K ADS
- Attrill, G., Harra, L. K., van Driel-Gesztelyi, L., Demoulin, P., & Wuelser, J., "Coronal 'wave': Magnetic Footprint Of A Cme?", 2007AAS...210.2921A ADS
- Démoulin, P., Klein, K. L., Goff, C. P., et al., "Decametric N Burst: A Consequence of the Interaction of Two Coronal Mass Ejections", 2007SoPh...240..301D ADS
- Goff, C. P., van Driel-Gesztelyi, L., Démoulin, P., et al., "A Multiple Flare Scenario where the Classic Long-Duration Flare Was Not the Source of a CME", 2007SoPh...240..283G ADS
- Vourlidas, A., Pick, M., Hoang, S., & Démoulin, P., "Identification of a Peculiar Radio Source in the Aftermath of Large Coronal Mass Ejection Events", 2007ApJ...656L.105V ADS
- Attrill, G. D. R., Harra, L. K., van Driel-Gesztelyi, L., & Démoulin, P., "Coronal 'Wave': Magnetic Footprint of a Coronal Mass Ejection?", 2007ApJ...656L.101A ADS
- Démoulin, P. & Pariat, E., "Computing magnetic energy and helicity fluxes from series of magnetograms.", 2007MmSAI...78..136D ADS
- Luoni, M. L., Mandrini, C. H., Dasso, S., Démoulin, P., & Van Driel-Gesztelyi, L., "From The Photosphere to the Interplanetary Medium: The Magnetic Helicity Sign from Observations", 2007BAAA...50...43L ADS
- Gulisano, A. M., Dasso, S., Mandrini, C. H., & Démoulin, P., "Estimation of the bias of the Minimum Variance technique in the determination of magnetic clouds global quantities and orientation", 2007AdSpR...40.1881G ADS
- Schmieder, B., Mandrini, C. H., Démoulin, P., et al., "What is the role of magnetic null points in large flares?", 2007AdSpR...39.1840S ADS
- Pariat, E., Démoulin, P., & Nindos, A., "How to improve the maps of magnetic helicity injection in active regions?", 2007AdSpR...39.1706P ADS
- Démoulin, P., "Recent theoretical and observational developments in magnetic helicity studies", 2007AdSpR...39.1674D ADS
- Luoni, M. L., Mandrini, C. H., Cristiani, G. D., & Démoulin, P., "The magnetic field topology associated with two M flares", 2007AdSpR...39.1382L ADS
- Démoulin, P., "Where will efficient energy release occur in 3-D magnetic configurations?", 2007AdSpR...39.1367D ADS
- Aulanier, G., Pariat, E., Démoulin, P., & Devore, C. R., "Slip-Running Reconnection in Quasi-Separatrix Layers", 2006SoPh...238..347A ADS
- Mandrini, C. H., Demoulin, P., Schmieder, B., et al., "Companion Event and Precursor of the X17 Flare on 28 October 2003", 2006SoPh...238..293M ADS
- van Driel-Gesztelyi, L., Goff, C. P., Demoulin, P., et al., "Build-up of a CME and its Interaction with Large-Scale Magnetic Structures", 2006IAUJD...3E..86V ADS
- Dasso, S., Mandrini, C. H., & Demoulin, P., "Linking solar to interplanetary events: A new direct method to quantify global MHD magnitudes in magnetic clouds", 2006IAUJD...3E..26D ADS
- Dasso, S., Mandrini, C. H., Démoulin, P., & Luoni, M. L., "A new model-independent method to compute magnetic helicity in magnetic clouds", 2006A&A...455..349D ADS
- Schmieder, B., Mandrini, C., Berlicki, A., Démoulin, P., & Li, H., "Magnetic Sources of Flares and CMEs from Multi-Wavelength Flare Studies", 2006ESASP.617E.145S ADS
- Schmieder, B., Démoulin, P., Berlicki, A., Mandrini, C., & Hui, L., "Magnetic Sources of flares and CMEs in October 2003", 2006sf2a.conf...565S ADS

- Pariat, E., Aulanier, G., & Démoulin, P., "A new concept for magnetic reconnection: slip-running reconnection", 2006sf2a.conf..559P ADS
- Klimchuk, J. A., López Fuentes, M. C., & Demoulin, P., "Why Are Coronal Loops So Symmetric?", 2006SPD...37.1706K ADS
- Luoni, M. L., Raulin, J. P., Mandrini, C. H., et al., "Multi-Wavelength Analysis of an M6.7 Flare from AR 10486", 2006RMxAC..26R.154L ADS
- Nakwacki, M. S., Dasso, S., Mandrini, C. H., & Demoulin, P., "Global Magnitudes in Expanding Magnetic Clouds", 2006RMxAC..26..155N ADS
- Pariat, E., Nindos, A., Démoulin, P., & Berger, M. A., "What is the spatial distribution of magnetic helicity injected in a solar active region?", 2006A&A...452..623P ADS
- López Fuentes, M. C., Klimchuk, J. A., & Démoulin, P., "The Magnetic Structure of Coronal Loops Observed by TRACE", 2006ApJ...639..459L ADS
- Gulisano, A. M., Dasso, S., Mandrini, C. H., & Demoulin, P., "Magnetic clouds: An statistical study of their global magnetohydrodynamic magnitudes", 2006cosp...36.2971G ADS
- López-Fuentes, M. C., Klimchuk, J. A., & Demoulin, P., "Magnetic structure and observed width of coronal loops", 2006cosp...36.2575L ADS
- Dasso, S., Démoulin, P., Mandrini, C. H., & Luoni, M. L., "A new method to determine the boundary of magnetic clouds", 2006cosp...36.2390D ADS
- van Driel-Gesztelyi, L., Goff, C., Demoulin, P., et al., "Multi-scale reconnections in a complex CME", 2006cosp...36.2371V ADS
- Luoni, M., Mandrini, C., Cristiani, G., & Démoulin, P., "The magnetic field topology associated to an M6.7 flare", 2006cosp...36.1657L ADS
- Pariat, E., Nindos, A., Démoulin, P., & Berger, M., "How to derive the real pattern of magnetic helicity injection in an active region?", 2006cosp...36..851P ADS
- Schmieder, B., Mandrini, C., Démoulin, P., Aulanier, G., & Li, H., "The role of null points in large flares", 2006cosp...36..156S ADS
- Demoulin, P., "Where will efficient energy release occur in 3D magnetic configurations?", 2006cosp...36..118D ADS
- Demoulin, P., "Recent theoretical and observational developments in magnetic helicity studies", 2006cosp...36..117D ADS
- Demoulin, P., Pariat, E., & Berger, M. A., "Basic Properties of Mutual Magnetic Helicity", 2006SoPh..233...3D ADS
- Mandrini, C. H., Demoulin, P., Schmieder, B., et al., "On the origin of the 28 October 2003 X17 event and its companion event", 2006BAAA...49..109M ADS
- Schmieder, B., Mandrini, C. H., Démoulin, P., et al., "Magnetic reconfiguration before the X 17 Solar flare of October 28 2003", 2006AdSpR...37.1313S ADS
- Démoulin, P., "Extending the concept of separatrices to QSLs for magnetic reconnection", 2006AdSpR...37.1269D ADS
- Gulisano, A. M., Dasso, S., Mandrini, C. H., & Démoulin, P., "Magnetic clouds: A statistical study of magnetic helicity", 2005JASTP...67.1761G ADS
- Luoni, M. L., Mandrini, C. H., Dasso, S., van Driel-Gesztelyi, L., & Démoulin, P., "Tracing magnetic helicity from the solar corona to the interplanetary space", 2005JASTP...67.1734L ADS
- Goff, C. P., van Driel-Gesztelyi, L., Culhane, J. L., et al., "A Series of Compact Flares with AN Associated CME", 2005ESASP.600E.157G ADS
- Aulanier, G., Pariat, E., & Démoulin, P., "Current sheet formation in quasi-separatrix layers and hyperbolic flux tubes", 2005A&A...444..961A ADS
- Mandrini, C. H., Dasso, S., Luoni, M. L., et al., "Quantitative Link Between Solar Ejecta and Interplanetary Magnetic Clouds: Magnetic Helicity", 2005ESASP.596E..29M ADS
- Démoulin, P., "Magnetic Topologies: where Will Reconnection Occur ?", 2005ESASP.596E..22D ADS
- Pariat, E., Démoulin, P., & Berger, M. A., "Erratum: Photospheric flux density of magnetic helicity", 2005A&A...442.1105P ADS
- Nakwacki, M. S., Dasso, S., Mandrini, C. H., & Démoulin, P., "Helicity Analysis for Expanding Magnetic Clouds: A Case Study", 2005ESASP.592..629N ADS
- Gulisano, A. M., Dasso, S., Mandrini, C. H., & Démoulin, P., "Large Scale Properties of Magnetic Clouds: Different Approaches to Estimate their Orientation and Impact Parameter", 2005ESASP.592..621G ADS
- Dasso, S., Mandrini, C. H., Luoni, M. L., et al., "Linking Coronal to Heliospheric Magnetic Helicity: A New Model-Independent Technique to Compute Helicity in Magnetic Clouds", 2005ESASP.592..605D ADS
- Pariat, E., Démoulin, P., & Berger, M. A., "Photospheric flux density of magnetic helicity", 2005A&A...439.1191P ADS
- Williams, D. R., Török, T., Démoulin, P., van Driel-Gesztelyi, L., & Kliem, B., "Eruption of a Kink-unstable Filament in NOAA Active Region 10696", 2005ApJ...628L.163W ADS
- Harra, L. K., Démoulin, P., Mandrini, C. H., et al., "Flows in the solar atmosphere due to the eruptions on the 15th July, 2002", 2005A&A...438.1099H ADS
- Pick, M., Démoulin, P., Krucker, S., Malandraki, O., & Maia, D., "Radio and X-Ray Signatures of Magnetic Reconnection behind an Ejected Flux Rope", 2005ApJ...625.1019P 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
- Aulanier, G., Démoulin, P., & Grappin, R., "Equilibrium and observational properties of line-tied twisted flux tubes", 2005A&A...430.1067A ADS
- Dasso, S., Mandrini, C. H., Gulisano, A. M., & Démoulin, P., "A Direct Method to Estimate Magnetic Helicity in Magnetic Clouds", 2005IAUS..226..403D ADS
- Mandrini, C. H., Démoulin, P., van Driel-Gesztelyi, L., et al., "Solar and Interplanetary Magnetic Helicity Balance of Active Regions", 2005HiA...13..122M ADS
- Nakwacki, M. S., Dasso, S., Mandrini, C. H., & Démoulin, P., "Study of an expanding magnetic cloud", 2005BAAA...48..93N ADS
- Luoni, M. L., Mandrini, C. H., & Démoulin, P., "Magnetic topology analysis of an M6.7 solar flare", 2005BAAA...48..84L ADS
- Gulisano, A. M., Dasso, S., Mandrini, C. H., & Démoulin, P., "Analysis of 20 magnetic clouds at 1 AU during a solar minimum", 2005BAAA...48..79G 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
- Dasso, S., Gulisano, A. M., Mandrini, C. H., & Démoulin, P., "Model-independent large-scale magnetohydrodynamic quantities in magnetic clouds", 2005AdSpR...35.2172D ADS
- Dasso, S., Mandrini, C. H., Démoulin, P., Luoni, M. L., & Gulisano, A. M., "Large scale MHD properties of interplanetary magnetic clouds", 2005AdSpR...35..711D ADS
- Luoni, M. L., Dasso, S., Mandrini, C. H., Van Driel-Gesztelyi, L., & Démoulin, P., "Linking Coronal to Interplanetary Magnetic Helicity", 2005ASSL..320..243L ADS
- Gibson, S. E., Fan, Y., Mandrini, C., Fisher, G., & Demoulin, P., "Observational Consequences of a Magnetic Flux Rope Emerging into the Corona", 2004ApJ...617..600G ADS
- de Mazière, M., Barret, B., Blumenstock, T., et al., "Comparisons Between SCIAMACHY Scientific Products and Ground-Based FTIR Data for Total Columns of CO, CH4 and N2O.", 2004ESASP.562E..12D ADS
- Lambert, J. C., Blumenstock, T., Boersma, F., et al., "Geophysical Validation of SCIAMACHY NO2 Vertical Columns: Overview of Early 2004 Results", 2004ESASP.562E..6L ADS
- Lambert, J. C., Allaart, M., Andersen, S. B., et al., "First Ground-Based Validation of SCIAMACHY V5.01 Ozone Column", 2004ESASP.562E..3L ADS
- Pick, M., Maia, D. J., Malandraki, O., Krucker, S., & Demoulin, P., "Solar Origin of Interplanetary Impulsive Electron Events", 2004AGUSMSH22A..03P ADS
- Mandrini, C. H., Démoulin, P., van Driel-Gesztelyi, L., et al., "Magnetic Helicity Budget of Solar-Active Regions from the Photosphere to Magnetic Clouds", 2004Ap&SS.290..319M ADS
- Aulanier, G., Démoulin, P., Grappin, R., & Marqué, C., "3D MHD models for XUV sigmoids", 2004cosp...35.3011A ADS
- Schmieder, B., Mandrini, C., Demoulin, P., & Mein, P., "Magnetic configuration reorganisation before the X 17 flare of October 28 2003", 2004cosp...35.1528S ADS
- Demoulin, P., "Extending the concept of separatrices to QSLs for magnetic reconnection", 2004cosp...35.1084D ADS
- Dasso, S., Gulisano, A., Mandrini, C. H., & Démoulin, P., "Direct observation of large scale magnetohydrodynamic quantities in magnetic clouds", 2004cosp...35..530D 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
- Schmieder, B., Berlicki, A., Vilmer, N., et al., "Multi-wavelength flare study and magnetic configuration", 2004IAUS..223..397S ADS
- Démoulin, P., "The long-term evolution of active regions, multi-wavelength flux and heating studies: observations and theory", 2004IAUS..223...13D ADS
- Schmieder, B., Démoulin, P., Rust, D. M., Georgoulis, M. K., & Bernasconi, P. N., "Emerging Flux and the Heating of Coronal Loops", 2004IAUS..219..483S ADS
- van Driel-Gesztelyi, L., Démoulin, P., Mandrini, C. H., Harra, L. K., & Klimchuk, J. A., "An Observational Test for Coronal Heating Models", 2004IAUS..219..473V ADS

- Gulisano, A. M., Dasso, S., Mandrini, C. H., & Démoulin, P., "Magnetohydrodynamic properties of solar origin magnetic clouds: an statistical study", 2004BAAA...47...28G ADS
- Dasso, S., Mandrini, C. H., Pohjolainen, S., et al., "Linking coronal observations of a 'mini' textasciitactive region with its interplanetary manifestation", 2004BAAA...47...18D ADS
- Luoni, M. L., Mandrini, C. H., Démoulin, P., van Driel-Gesztelyi, L., & Kovári, Z., "Can we determine the magnetic helicity sign of the solar active regions?", 2004BAAA...47...14L ADS
- Schmieder, B., Rust, D. M., Georgoulis, M. K., Démoulin, P., & Bernasconi, P. N., "Emerging Flux and the Heating of Coronal Loops", 2004ApJ...601...530S ADS
- Gibson, S., Barnes, G., Demoulin, P., et al., "Observational consequences of a magnetic flux rope topology", 2003AGUFMSH42B0516G ADS
- Dasso, S., Mandrini, C. H., Démoulin, P., & Farrugia, C. J., "Magnetic helicity analysis of an interplanetary twisted flux tube", 2003JGRA...108.1362D ADS
- Dasso, S., Mandrini, C. H., & Démoulin, P., "The Magnetic Helicity of an Interplanetary Hot Flux Rope", 2003AIPC...679...786D 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 Midi Data?", 2003SoPh...215...307G ADS
- Démoulin, P. & Berger, M. A., "Magnetic Energy and Helicity Fluxes at the Photospheric Level", 2003SoPh...215...203D ADS
- Titov, V. S., Démoulin, P., & Hornig, G., "Hyperbolic Flux Tubes in Flaring Magnetic Configurations", 2003ANS...324...17T ADS
- Aulanier, G. & Démoulin, P., "Amplitude and orientation of prominence magnetic fields from constant-alpha magnetohydrostatic models", 2003A&A...402...769A ADS
- Démoulin, P., van Driel-Gesztelyi, L., Mandrini, C. H., Klimchuk, J. A., & Harra, L., "The Long-Term Evolution of AR 7978: Testing Coronal Heating Models", 2003ApJ...586...592D ADS
- van Driel-Gesztelyi, L., Démoulin, P., Mandrini, C. H., Harra, L., & Klimchuk, J. A., "The Long-Term Evolution of AR 7978: The Scalings of the Coronal Plasma Parameters with the Mean Photospheric Magnetic Field", 2003ApJ...586...579V ADS
- De Maziere, M., Coosemans, T., Barret, B., et al., "Validation of Envisat Level-2 Products Related to Lower Atmosphere O3 and NOY Chemistry by a FTIR Quasi-Global Network (AOID126)", 2003ESASP.531E...40D ADS
- Luoni, M. L., Dasso, S., Mandrini, C. H., van Driel-Gesztelyi, L., & Démoulin, P., "Why to determine the magnetic helicity in corona and interplanetary medium?", 2003BAAA...46...8L ADS
- Mandrini, C. H., Démoulin, P., van Driel-Gesztelyi, L., Klimchuk, J. A., & Harra, L. K., "How to test coronal heating models?", 2003BAAA...46...5M ADS
- Dasso, S., Mandrini, C. H., Démoulin, P., & Luoni, M. L., "The large scale magnetic helicity content of the interplanetary magnetic cloud of October 18-19, 1995", 2003BAAA...46...3D 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
- van Driel-Gesztelyi, L., Démoulin, P., & Mandrini, C. H., "Observations of magnetic helicity", 2003AdSpR...32.1855V ADS
- López Fuentes, M. C., Démoulin, P., Mandrini, C. H., Pevtsov, A. A., & van Driel-Gesztelyi, L., "Magnetic twist and writhe of active regions. On the origin of deformed flux tubes", 2003A&A...397...305L ADS
- Mandrini, C. H., López Fuentes, M. C., Démoulin, P., van Driel-Gesztelyi, L., & Pevtsov, A. A., "On the origin of peculiar active regions", 2002ESASP.505...121M ADS
- Titov, V. S., Hornig, G., & Démoulin, P., "Theory of magnetic connectivity in the solar corona", 2002JGRA...107.1164T ADS
- Gibson, S. E., Fletcher, L., Del Zanna, G., et al., "The Structure and Evolution of a Sigmoidal Active Region", 2002ApJ...574.1021G ADS
- Mandrini, C. H., Démoulin, P., Schmieder, B., Deng, Y. Y., & Rudawy, P., "The role of magnetic bald patches in surges and arch filament systems", 2002A&A...391...317M 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
- Démoulin, P., Mandrini, C. H., Van Driel-Gesztelyi, L., López Fuentes, M. C., & Aulanier, G., "The Magnetic Helicity Injected by Shearing Motions", 2002SoPh...207...87D 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
- Mandrini, C. H., López Fuentes, M. C., Démoulin, P., & van Driel-Gesztelyi, L., "The distribution of peculiar active regions along two solar cycles", 2002ESASP.477...27M ADS
- Démoulin, P., Mandrini, C. H., van Driel-Gesztelyi, L., et al., "What is the source of the magnetic helicity shed by CMEs? The long-term helicity budget of AR 7978", 2002A&A...382...650D ADS
- van Driel-Gesztelyi, L., Démoulin, P., Mandrini, C. H., et al., "Helicity Loading and Dissipation: The Helicity Budget of AR 7978 from the Cradle to the Grave", 2002mwoc.conf...143V ADS
- Green, L., Mandrini, C., van Driel-Gesztelyi, L., & Demoulin, P., "Active region helicity evolution and related coronal mass ejection activity", 2002cosp...34E1213G ADS
- López Fuentes, M. C., Mandrini, C. H., Démoulin, P., & van Driel-Gesztelyi, L., "Peculiar Active Regions during the Last Two Solar Cycles", 2002RMxAC...14R.107L ADS
- Luoni, M. L., Mandrini, C. H., Karim, Y., Schieder, B., & Démoulin, P., "High Resolution Observations of Reconnected Magnetic Loops", 2002RMxAC...14Q.107L ADS
- López Fuentes, M. C., Mandrini, C. H., Démoulin, P., van Driel-Gesztelyi, L., & Pevtsov, A., "Inferring the Writhe of Emerging Flux Tubes from the Evolution of the Orientation of Bipole Axes", 2002RMxAC...14...108L ADS
- Villar, P. I., López Fuentes, M. C., Mandrini, C. H., & Démoulin, P., "Properties of bipolar active regions through two and a half solar cycles", 2002BAAA...45...22V ADS
- Luoni, M. L., Mandrini, C. H., Démoulin, P., van Driel-Gesztelyi, L., & López Fuentes, M. C., "Relation between the coronal magnetic helicity to the helicity in interplanetary magnetic clouds", 2002BAAA...45...20L ADS
- Mandrini, C. H., Démoulin, P., Schmieder, B., Deng, Y. Y., & Rudawy, P., "Surges y Arch Filament Systems: Una topología inusual", 2002BAAA...45...17M ADS
- Dasso, S., Mandrini, C. H., & Démoulin, P., "Magnetic helicity in interplanetary structures of solar origin", 2002BAAA...45...15D ADS
- Tang, Y. H., Li, Y. N., Fang, C., et al., "Energetics of the 18 May 1994 brightening event", 2002AdSpR...30...557T ADS
- Schmieder, B., van Driel-Gesztelyi, L., Aulanier, G., et al., "Relationships between CME's and prominences", 2002AdSpR...29.1451S ADS
- Portier-Fozzani, F., Aschwanden, M., Démoulin, P., et al., "Measurement of coronal magnetic twists during loop emergence of NOAA 8069", 2001SoPh...203...289P ADS
- Fletcher, L., López Fuentes, M. C., Mandrini, C. H., et al., "A Relationship Between Transition Region Brightenings, Abundances, and Magnetic Topology", 2001SoPh...203...255F ADS
- van Driel-Gesztelyi, L., Démoulin, P., Ireland, J., et al., "An Observational Test for Solar Atmospheric Heating", 2001IAUS...203...514V ADS
- Schmieder, B., Démoulin, P., Fletcher, L., et al., "CDS UV Brightenings Explained by Quasi-separatrices and Bald Patches in an S-shape active region", 2001IAUS...203...314S ADS
- Mandrini, C. H., Démoulin, P., van Driel-Gesztelyi, L., et al., "Magnetic Evolution of a Long-Lived Active Region: The Sources of Magnetic Helicity", 2001ASPC...248...139M ADS
- López Fuentes, M., Mandrini, C. H., Démoulin, P., & van Driel-Gesztelyi, L., "Long-Term Evolution of Active Regions", 2001ASPC...248...131L ADS
- van Driel-Gesztelyi, L., Malherbe, J. M., & Démoulin, P., "Emergence of a U-loop - sub-photospheric link between solar active regions", 2000A&A...364...845V ADS
- van Driel-Gesztelyi, L., Manoharan, P. K., Démoulin, P., et al., "Initiation of CMEs: the role of magnetic twist", 2000JASTP...62.1437V ADS
- López Fuentes, M. C., Demoulin, P., Mandrini, C. H., & van Driel-Gesztelyi, L., "The Counterkink Rotation of a Non-Hale Active Region", 2000ApJ...544...540L ADS
- Bagalá, L. G., Mandrini, C. H., Rovira, M. G., & Démoulin, P., "Magnetic reconnection: a common origin for flares and AR interconnecting arcs", 2000A&A...363...779B ADS
- Tang, Y. H., Li, Y. N., Fang, C., et al., "H α and Soft X-Ray Brightening Events Caused by Emerging Flux", 2000ApJ...534...482T ADS
- Bentley, R. D., Klein, K. L., van Driel-Gesztelyi, L., et al., "Magnetic Activity Associated With Radio Noise Storms", 2000SoPh...193...227B ADS
- Mandrini, C. H., Démoulin, P., & Klimchuk, J. A., "Magnetic Field and Plasma Scaling Laws: Their Implications for Coronal Heating Models", 2000ApJ...530...999M ADS
- Démoulin, P., Mandrini, C. H., & Klimchuk, J. A., "Test on the parameter dependence of coronal heating models", 2000ssls.work...85D ADS
- Demoulin, P. & Klein, K.-L., "Structuring of the Solar Plasma by the Magnetic Field", in J. P. Rozelot, L. Klein, and J. C. Vial (Eds.), Transport and Energy Conversion in the Heliosphere, Vol. 553, 99 2000LNP...553...99D ADS
- van Driel-Gesztelyi, L., Kovari, Z., López-Fuentes, M., Mandrini, C. H., & Demoulin, P., "What Can we Learn Studying Long-Term Magnetic Evolution of Solar Active Regions?", 2000ESASP.463...451V ADS
- Aulanier, G., Schmieder, B., van Driel-Gesztelyi, L., et al., "3-D Magnetic Configurations for Filaments and Flares: The Role of "Magnetic Dips" and "Bald Patches"", 2000AdSpR...26...485A ADS

- Tang, Y. H., Li, Y. N., Schmieder, B., et al., "Brightening Event in H α and Soft X-Ray on May 18, 1994", 2000AdSpR. .25.1829T ADS
- Pick, M., Démoulin, P., Maia, D., & Plunkett, S., "Coronal Mass Ejections", 1999ESASP.448. .915P ADS
- Mandrini, C. H., Démoulin, P., Schmieder, B., Deng, Y. Y., & Rudawy, P., "Interpretation of the Activity due to Flux Emergence in an AR", 1999ESASP.448. .617M ADS
- Titov, V. S. & Démoulin, P., "Basic topology of twisted magnetic configurations in solar flares", 1999A&A. .351. .707T ADS
- van Driel-Gesztelyi, L., Thompson, B., Démoulin, P., et al., "Long-Term Evolution Of Emissivity And Heating In A Solar Active Region", 1999ESASP.448. .663V ADS
- van Driel-Gesztelyi, L., Mandrini, C. H., Thompson, B., et al., "Long-Term Magnetic Evolution of an AR and its CME Activity", 1999ASPC. .184. .302V ADS
- Aulanier, G., Schmieder, B., Kucera, T., et al., "The Role of "Magnetic Dips" and "Bald Patches" for a Filament Observed by SOHO and GBO", 1999ASPC. .184. .291A ADS
- Mandrini, C. H., Deng, Y. Y., Schmieder, B., et al., "Magnetic Field Evolution and Topology of an AR", 1999ASPC. .184. .276M ADS
- Titov, V. S. & Démoulin, P., "The Magnetic Topology of a Twisted Force-Free Configuration in an Active Region", 1999ASPC. .184. .76T ADS
- Démoulin, P., Aulanier, G., & Schmieder, B., "Some Advances in 3D-Magnetic Field Topology: an Observed Case of a "Bald Patch" Flare", 1999ASPC. .184. .65D ADS
- Deng, Y. Y., Schmieder, B., Mandrini, C. H., et al., "The evolution from birth to decay of a short-lived active region", 1999A&A. .349. .927D ADS
- Milano, L. J., Dmitruk, P., Mandrini, C. H., Gómez, D. O., & Démoulin, P., "Quasi-Separatrix Layers in a Reduced Magnetohydrodynamic Model of a Coronal Loop", 1999ApJ. .521. .889M ADS
- Li, Y., Tang, Y., Aulanier, G., et al., "A new emerging flux and brightening event.", 1999PPMt0. .18. .131L ADS
- Aulanier, G. & Demoulin, P., "New 3-D magnetic model for prominences based on dipped field lines and compared with observations", 1999AAS. .194. 3103A ADS
- Klimchuk, J. A., Demoulin, P., & Mandrini, C. H., "Magnetic Field Scaling Laws and Their Implications for Coronal Heating", 1999AAS. .194. 2304K ADS
- Aulanier, G., Démoulin, P., Mein, N., et al., "3-D magnetic configurations supporting prominences. III. Evolution of fine structures observed in a filament channel", 1999A&A. .342. .867A ADS
- Karlický, M., Démoulin, P., Aulanier, G., et al., "The NOAA AR 6718 magnetic field extrapolation with localized current filaments.", 1999joso.proc. .97K ADS
- Démoulin, P., "Results on 3-D solar magnetic field, observations and models", 1999JASTP. .61. .101D ADS
- López Fuentes, M., Mandrini, C. H., Démoulin, P., et al., "Calentamiento de arcos coronales en una región activa por reconfiguración topológica del campo magnético.", 1999BAAA. .43. .24L ADS
- Rovira, M., Schmieder, B., Démoulin, P., et al., "Bright Points and Subflares in Ultraviolet Lines and X-Rays", 1999ApJ. .510. .474R ADS
- Aulanier, G., Démoulin, P., Schmieder, B., Fang, C., & Tang, Y. H., "Magneto-hydrostatic Model of a Bald-Patch Flare", 1998SoPh. .183. .369A ADS
- Lin, J., Forbes, T. G., Isenberg, P. A., & Démoulin, P., "The Effect of Curvature on Flux-Rope Models of Coronal Mass Ejections", 1998ApJ. .504. 1006L ADS
- Aulanier, G., Demoulin, P., van Driel-Gesztelyi, L., Mein, P., & Deforest, C., "3-D magnetic configurations supporting prominences. II. The lateral feet as a perturbation of a twisted flux-tube", 1998A&A. .335. .309A ADS
- Gaizauskas, V., Mandrini, C. H., Demoulin, P., Luoni, M. L., & Rovira, M. G., "Interactions between nested sunspots. II. A confined X1 flare in a delta-type sunspot", 1998A&A. .332. .353G ADS
- Rovira, M., Schmieder, B., Demoulin, P., et al.: 1998, Bright Points and Subflares in UV Lines and in X-Rays, Technical Report, NASA Marshall Space Flight Center Huntsville, AL United States 1998msfc.rept. . . . R ADS
- Aulanier, G., Schmieder, B., Démoulin, P., et al., "3-D Modelling of a Filament Observed in H α and with SOHO", 1998ESASP.417. .217A ADS
- Manoharan, P. K., van Driel-Gesztelyi, L., Pick, M., & Démoulin, P., "Reorganization of solar magnetic field by a flare event", 1998BASI. .26. .319M ADS
- López Fuentes, M., Mandrini, C. H., Rovira, M. G., & Démoulin, P., "MHS model of an active region associated to a flare", 1998BAAA. .42. .34L ADS
- Aulanier, G., Démoulin, P., van Driel-Gesztelyi, L., Mein, P., & Deforest, C., "3-D Modelling of a Filament Observed in H α and with SOHO/MDI", 1998ASPC. .155. .326A ADS
- van Driel-Gesztelyi, L., Mein, P., Mein, N., et al., "Evolution of the Magnetic Field and Chromospheric Fine Structure in a Filament Channel", 1998ASPC. .155. .321V ADS
- Aulanier, G., Schmieder, B., Démoulin, P., van Driel-Gesztelyi, L., & Deforest, C., "Non potentiality of coronal loops above active regions", 1998ASPC. .155. .105A ADS
- van Driel-Gesztelyi, L., Schmieder, B., Aulanier, G., et al., "Filament Disruption Brusque and CME - September 25-26, 1996 Event", 1998ASPC. .150. .366V ADS
- Lin, J., Forbes, T. G., Isenberg, P. A., & Demoulin, P., "The Energetics of Flux-Rope Prominence Models in Axially Symmetric Systems", 1998ASPC. .150. .350L ADS
- Aulanier, G. & Demoulin, P., "3-D Twisted Flux-Tube in a Linear Force-Free Equilibrium", 1998ASPC. .150. .86A ADS
- Demoulin, P., "Magnetic Fields in Filaments (Review)", 1998ASPC. .150. .78D ADS
- Aulanier, G. & Demoulin, P., "3-D magnetic configurations supporting prominences. I. The natural presence of lateral feet", 1998A&A. .329. 1125A ADS
- Démoulin, P. & Priest, E. R., "The Importance of Photospheric Intense Flux Tubes for Coronal Heating", 1997SoPh. .175. .123D ADS
- Demoulin, P., "Quelques données sur la comète Hale-Bopp.", 1997Ciel. .59. .213D ADS
- Schmieder, B., Aulanier, G., Demoulin, P., et al., "Magnetic reconnection driven by emergence of sheared magnetic field.", 1997A&A. .325. 1213S ADS
- Demoulin, P., Bagala, L. G., Mandrini, C. H., Henoux, J. C., & Rovira, M. G., "Quasi-separatrix layers in solar flares. II. Observed magnetic configurations.", 1997A&A. .325. .305D ADS
- Mandrini, C. H., Démoulin, P., Bagalá, L. G., et al., "Evidence of Magnetic Reconnection from H α , Soft X-Ray and Photospheric Magnetic Field Observations", 1997SoPh. .174. .229M ADS
- Démoulin, P., Héroux, J. C., Mandrini, C. H., & Priest, E. R., "Can we Extrapolate a Magnetic Field when its Topology is Complex?", 1997SoPh. .174. .73D ADS
- Aulanier, G., Démoulin, P., Schmieder, B., et al., "Magnetic reconnection driven by an emerging flux.", 1997joso.proc. .51A ADS
- Hamdouni, A., Barbe, A., Demoulin, P., & Zander, R., "Retrieval of ozone vertical column amounts from ground-based high resolution infrared solar spectra.", 1997JQSRT. .57. .11H ADS
- Luoni, M. L., Mandrini, C. H., Rovira, M. G., Démoulin, P., & Gaizauskas, V., "Fulguraciones en una configuración tipo δ ", 1997BAAA. .41. .62L ADS
- Bagalá, L. G., Rovira, M. G., Mandrini, C. H., & Démoulin, P., "Fulguraciones Solares en Regiones Activas Interactuantes", 1997BAAA. .41. .57B ADS
- van Driel-Gesztelyi, L., Manoharan, P. K., Pick, M., & Démoulin, P., "Reorganization of the solar corona following a C4.7 flare", 1997AdSpR. .19. 1883V ADS
- Schneider, B., Démoulin, P., Aulanier, G., et al., "3-D reconnection related to new emerging flux", 1997AdSpR. .19. 1871S ADS
- Mandrini, C. H., Demoulin, P., Henoux, J. C., & Priest, E., "Quasi-Separatrix Layers in Simple Magnetic Configurations", 1996RMxAC. .40. 104M ADS
- Bagala, L. G., Mandrini, C. H., Rovira, M. G., Demoulin, P., & Henoux, J. C., "Quasi-Separatrix Layers and Their Relationship with Solar Flares", 1996RMxAC. .40. .90B ADS
- Mandrini, C. H., Démoulin, P., Van Driel-Gesztelyi, L., et al., "3D Magnetic Reconnection at an X-Ray Bright Point", 1996SoPh. .168. .115M ADS
- Manoharan, P. K., van Driel-Gesztelyi, L., Pick, M., & Demoulin, P., "Evidence for Large-Scale Solar Magnetic Reconnection from Radio and X-Ray Measurements", 1996ApJ. .468L. .73M ADS
- Schmieder, B., Demoulin, P., Aulanier, G., & Golub, L., "Differential Magnetic Field Shear in an Active Region", 1996ApJ. .467. .881S ADS
- Surlantzis, G., Demoulin, P., Heyvaerts, J., & Sauty, C.: 1996, (Erratum) Stationary subalfvenic and low- β MHD flows in solar coronal loops and arcades., Astronomy and Astrophysics, v.310, p.351-352 1996A&A. .310. .351S ADS
- Démoulin, P., Priest, E. R., & Lonie, D. P., "Three-dimensional magnetic reconnection without null points 2. Application to twisted flux tubes", 1996JGR. .101. 7631D ADS
- Demoulin, P., Henoux, J. C., Priest, E. R., & Mandrini, C. H., "Quasi-Separatrix layers in solar flares. I. Method.", 1996A&A. .308. .643D ADS
- van Driel-Gesztelyi, L., Schmieder, B., Demoulin, P., et al., "Emerging Flux, Reconnection, and XBP", 1996mpsa.conf. .459V ADS
- van Driel-Gesztelyi, L., Schmieder, B., Mandrini, C., et al., "Emerging flux seen by Yohkoh.", 1996joso.proc. .124V ADS
- Démoulin, P., "Modelisation of magnetic field.", 1996joso.proc. .117D ADS
- Bagalá, L. G., Mandrini, M. C., Rovira, M. G., & Démoulin, P., "Las fulguraciones como manifestación de reconexión en el campo magnético solar", 1996BAAA. .40R. .2B ADS

- Mandrini, C. H., Démoulin, P., van Driel-Gesztelyi, L., et al., “*Reconexión magnética en una región activa en decaimiento*”, 1996BAAA...40...5M ADS
- Manoharan, P. K., van Driel-Gesztelyi, L., Pick, M., & Demoulin, P., “*Flare Associated Large-Scale Magnetic Reconnection*”, 1996ASPC...111...398M ADS
- Demoulin, P., Mandrini, C. H., van Driel-Gesztelyi, L., et al., “*3D Magnetic Reconnection: Example of an X-Ray Bright Point*”, 1996ASPC...111...49D ADS
- Mein, P., Demoulin, P., Mein, N., et al., “*Dynamics of solar magnetic arches in the photosphere and the chromosphere*”, 1996A&A...305...343M ADS
- Priest, E. R. & Démoulin, P., “*Three-dimensional magnetic reconnection without null points. I. Basic theory of magnetic flipping*”, 1995JGR...10023443P ADS
- Mandrini, C. H., Demoulin, P., Rovira, M. G., de La Beaujardiere, J. F., & Henoux, J. C., “*Constraints on flare models set by the active region magnetic topology Magnetic topology of AR 6233*”, 1995A&A...303...927M ADS
- Bagalá, L. G., Mandrini, C. H., Rovira, M. G., Démoulin, P., & Hénoux, J. C., “*A Topological Approach to Understand a Multiple-Loop Solar Flare*”, 1995SoPh...161...103B ADS
- Gary, G. A. & Demoulin, P., “*Reduction, Analysis, and Properties of Electric Current Systems in Solar Active Regions*”, 1995ApJ...445...982G ADS
- Gaizauskas, V., Démoulin, P., Mandrini, C. H., Rovira, M. G., & Harvey, K. L., “*Magnetic Field Topology at the Location of an X1/1B Solar Flare*”, 1995SPD...26.1319G ADS
- Schmieder, B., Demoulin, P., Henoux, J. C., et al., “*Evolution of Active Regions Leading to Flares*”, 1994kofu.symp...297S ADS
- Démoulin, P., Hénoux, J. C., Schmieder, B., et al., “*Observational support of reconnection in solar flares*”, 1994SSRv...68...129D ADS
- Demoulin, P., Henoux, J. C., & Mandrini, C. H., “*Are magnetic null points important in solar flares?*”, 1994A&A...285.1023D ADS
- Surlantzis, G., Demoulin, P., Heyvaerts, J., & Sauty, C., “*Stationary sub-alfvenic and low- β MHD flows in solar coronal loops and arcades*”, 1994A&A...284...985S ADS
- Demoulin, P., Mandrini, C. H., Rovira, M. G., Henoux, J. C., & Machado, M. E., “*Interpretation of multiwavelength observations of November 5, 1980 solar flares by the magnetic topology of AR 2766*”, 1994SoPh...150...221D ADS
- Schmieder, B., Hagyard, M. J., Guoxiang, A., et al., “*Relationship between magnetic field evolution and flaring sites in AR 6659 in June 1991*”, 1994SoPh...150...199S ADS
- van Driel-Gesztelyi, L., Hofmann, A., Demoulin, P., Schmieder, B., & Csepura, G., “*Relationship between electric currents, photospheric motions, chromospheric activity, and magnetic field topology*”, 1994SoPh...149...309V ADS
- Machado, M. E., Demoulin, P., Gary, G. A., et al., “*Understanding Solar Active Phenomena: A Phenomenological Approach*”, 1994step.conf...125M ADS
- Mein, P., Mein, N., Démoulin, P., et al., “*Dynamics of solar magnetic arches in photosphere and chromosphere*”, 1994smf...conf...366M ADS
- , “*Magnetic reconnection as a mechanism for solar flares*”, 1994iaf...conf...B ADS
- van Driel-Gesztelyi, L., Démoulin, P., Schmieder, B., Hofmann, A., & Csepura, G., “*Twisted Flux Tubes and Sunspot Motions in AR 5555*”, 1994emsp.conf...115V ADS
- Démoulin, P., “*The control of the corona by the convective zone magnetic fields*”, in G. Belvedere, M. Rodono, and G. M. Simnett (Eds.), *Advances in Solar Physics*, Vol. 432, 121–133 1994LNP...432...121D ADS
- Mandrini, C. H., Rovira, M. G., Démoulin, P., de La Beaujardière, J. F., & Hénoux, J. C., “*Magnetic topology of a complex active region*”, 1994BAAA...39...52M ADS
- Bagalá, L. G., Mandrini, C. H., & Démoulin, P., “*Zones with quasi-discontinuous magnetic connections in the photosphere and solar flares*”, 1994BAAA...39...46B ADS
- Gary, G. A. & Demoulin, P., “*Electric Current Systems in Solar Active Regions*”, 1994ASPC...68...171G ADS
- Koutchmy, S., Belmahdi, M., Coulter, R. L., et al., “*CFHT eclipse observation of the very fine-scale solar corona*”, 1994A&A...281...249K ADS
- Isenberg, P. A., Forbes, T. G., & Demoulin, P., “*Catastrophic Evolution of a Force-Free Flux Rope: A Model for Eruptive Flares*”, 1993ApJ...417...368I ADS
- Bagala, L. G., Rovira, M. G., Mandrini, C. H., Demoulin, P., & Henoux, J. C., “*Multiwavelength Observations and Magnetic Field Modelling of a Solar Flare*”, 1993RMxAA...26...135B ADS
- Schmieder, B., Démoulin, P., Hagyard, M., et al., “*Relationship between magnetic field evolution and flaring sites in AR 6659 on June 1991*”, 1993AdSpR...13i.123S ADS
- Schmieder, B., van Driel, L., Hofmann, A., et al., “*Sites of flares and filaments in solar active regions*”, 1993AdSpR...13i.119S ADS
- Démoulin, P., “*Filament formation*”, 1993AdSpR...13i...95D ADS
- Titov, V. S., Priest, E. R., & Demoulin, P., “*Conditions for the appearance of “bald patches” at the solar surface*”, 1993A&A...276...564T ADS
- van Driel-Gesztelyi, L., Csepura, G., Nagy, I., et al., “*Common Evolution of Adjacent Sunspot Groups*”, 1993SoPh...145...77V ADS
- Mandrini, C. H., Rovira, M. G., Demoulin, P., et al., “*Evidence for magnetic reconnection in large-scale magnetic structures in solar flares*”, 1993A&A...272...609M ADS
- Demoulin, P. & Priest, E. R., “*A Model for an Inverse Polarity Prominence Supported in a Dip of a Quadrupolar Region*”, 1993SoPh...144...283D ADS
- Demoulin, P., van Driel-Gesztelyi, L., Schmieder, B., et al., “*Evidence for magnetic reconnection in solar flares*”, 1993A&A...271...292D ADS
- Amari, T. & Démoulin, P., “*The solar corona’s magnetism*”, 1993Rech...24...258A ADS
- Mandrini, C. H., Rovira, M. G., Demoulin, P., Henoux, J. C., & de La Beaujardiere, J., “*Estabilidad de la estructura topológica de una región activa en presencia de fuentes de campo externas*”, 1993BAAA...38...115M ADS
- Rovira, M. G., Mandrini, C. H., Demoulin, P., Henoux, J. C., & Machado, M. E., “*Interpretación de las observaciones de fulguraciones solares en función de la topología de la región activa*”, 1993BAAA...38...114R ADS
- Surlantzis, G., Démoulin, P., Heyvaerts, J., & Sauty, C., “*MHD Equilibria in Uniform Gravity*”, 1993ASSL...183...629S ADS
- Henoux, J. C., Demoulin, P., Mandrini, C. H., & Rovira, M. G., “*Observational Evidence for Magnetic Reconnection in Solar Flares (Invited)*”, 1993ASPC...46...333H ADS
- Demoulin, P. & Raadu, M. A., “*Helical Structures around Quiescent Solar Prominences Computed from Observable Magnetic Fields*”, 1992SoPh...142...291D ADS
- Demoulin, P. & Vial, J. C., “*Structural Characteristics of Eruptive Prominences*”, 1992SoPh...141...289D ADS
- Ruzdjak, V., Tandberg-Hanssen, E., & Demoulin, P., “*Book-Review - Dynamics of Quiescent Prominences*”, 1992SSRv...61...427R ADS
- Demoulin, P., Cuperman, S., & Semel, M., “*Determination of force-free magnetic fields above the photosphere using three-component boundary conditions. II - Analysis and minimization of scale-related growing modes and of computational induced singularities*”, 1992A&A...263...351D ADS
- Demoulin, P., Henoux, J. C., & Mandrini, C. H., “*Development of a Topological Model for Solar Flares*”, 1992SoPh...139...105D ADS
- Demoulin, P. & Priest, E. R., “*The properties of sources and sinks of a linear force-free field*”, 1992A&A...258...535D ADS
- Demoulin, P., Raadu, M. A., & Malherbe, J. M., “*Linear force-free magnetic field around quiescent solar prominences computed from observable boundary conditions*”, 1992A&A...257...278D ADS
- Demoulin, P. & Forbes, T. G., “*Weighted Current Sheets Supported in Normal and Inverse Configurations: A Model for Prominence Observations*”, 1992ApJ...387...394D ADS
- Mandrini, C. H., Demoulin, P., & Henoux, J. C., “*Interaction of Largescale Magnetic Structures in Solar Flares*”, in Z. Svestka, B. V. Jackson, and M. E. Machado (Eds.), *IAU Colloq. 133: Eruptive Solar Flares*, Vol. 399, 54 1992LNP...399...54M ADS
- Mandrini, C. H., Rovira, M. G., Demoulin, P., Henoux, J. C., & Machado, M. E., “*Reconexión magnética entre estructuras a gran escala durante fulguraciones solares*”, 1992BAAA...37...112M ADS
- Bagalá, L. G., Rovira, M. G., Mandrini, C. H., & Demoulin, P., “*Fulguraciones solares y su relación con la topología del campo magnético*”, 1992BAAA...37...112B ADS
- Mandrini, C. H., Demoulin, P., Henoux, J. C., & Machado, M. E., “*Evidence for the interaction of large scale magnetic structures in solar flares*”, 1991A&A...250...541M ADS
- Demoulin, P., Zander, R., Farmer, C. B., & Rinsland, C. P., “*Determination of absolute strengths of N2 quadrupole lines from high-resolution ground-based IR solar observations*”, 1991JGR...9613003D ADS
- Rinsland, C. P., Zander, R., & Demoulin, P., “*Ground-Based Infrared Measurements of HNO₃ Total Column Abundances: Long-Term Trend and Variability*”, 1991JGR...96.9379R ADS
- Demoulin, P., Ferreira, J., & Priest, E. R., “*Instability of a prominence supported in a linear force-free field. II - Effect of twist or flux conservation*”, 1991A&A...245...289D ADS
- Cuperman, S., Demoulin, P., & Semel, M., “*Removal of singularities in the Cauchy problem for the extrapolation of solar force-free magnetic fields*”, 1991A&A...245...285C ADS
- Démoulin, P., “*Solar prominences*”, 1991gamp.conf...281D ADS
- Demoulin, P., “*Solar Prominences*”, 1991assm.conf...281D ADS
- Amari, T., Démoulin, P., Browning, P., Hood, A., & Priest, E., “*The creation of the magnetic environment for prominence formation in a coronal arcade*”, 1991A&A...241...604A ADS

- Démoulin, P. & Priest, E. R., "How to Form a Dip in a Magnetic Field Before the Formation of a Solar Prominence", in V. Ruzdjak and E. Tandberg-Hanssen (Eds.), IAU Colloq. 117: Dynamics of Quiescent Prominences, Vol. 363, 269-269 LNP . . . 363 . . 269D [ADS](#)
- Démoulin, P., Priest, E. R., & Anzer, U., "A three-dimensional model for solar prominences", in V. Ruzdjak and E. Tandberg-Hanssen (Eds.), IAU Colloq. 117: Dynamics of Quiescent Prominences, Vol. 363, 268-268 LNP . . . 363 . . 268D [ADS](#)
- Schmieder, B., Démoulin, P., Ferreira, J., & Alissandrakis, C. E., "Formation of a Filament around a Magnetic Region", in V. Ruzdjak and E. Tandberg-Hanssen (Eds.), IAU Colloq. 117: Dynamics of Quiescent Prominences, Vol. 363, 232-232 LNP . . . 363 . . 232S [ADS](#)
- Schmieder, B., Dere, K. P., Raadu, M. A., Démoulin, P., & Alissandrakis, C. E., "Relationship between a spot and a filament observed during spacelab 2 mission", 1990AdSpR . . 101 . 195S [ADS](#)
- Demoulin, P., Priest, E. R., & Anzer, U., "A three-dimensional model for solar prominences", 1989A&A . . 221 . . 326D [ADS](#)
- Démoulin, P. & Priest, E. R., "A twisted flux model for solar prominences. II - Formation of a dip in a magnetic structure before the formation of a solar prominence", 1989A&A . . 214 . . 360D [ADS](#)
- Schmiedler, B., Demoulin, P., Raadu, M. A., & Dere, K. P., "Dynamics of a filament at the boundary of a SPOT region with magnetic shear", 1989A&A . . 213 . . 402S [ADS](#)
- Demoulin, P., Malherbe, J. M., & Priest, E. R., "The magnetic field around quiescent solar prominences computed from observational boundary conditions", 1989A&A . . 211 . . 428D [ADS](#)
- Démoulin, P.: 1989, "Structure et stabilité thermique et magnétique des protubérances solaires", Ph.D. thesis, Université de Paris Diderot (Paris VII), France 1989PhDT 141D [ADS](#)
- Démoulin, P. & Priest, E. R., "How to Form a Dip in a Magnetic Field Before the Formation of a Solar Prominence", 1989HvaOB . . 13 . . 261D [ADS](#)
- Demoulin, P., Priest, E. R., & Anzer, U., "A Three-Dimensional Model for Solar Prominences", 1989HvaOB . . 13 . . 253D [ADS](#)
- Schmieder, B., Demoulin, P., Ferreira, J., & Alissandrakis, C. E., "Formation of a Filament around a Magnetic Region", 1989HvaOB . . 13 . . 1S [ADS](#)
- Demoulin, P. & Priest, E. R., "Instability of a prominence supported in a linear force-free field", 1988A&A . . 206 . . 336D [ADS](#)
- Schmieder, B., Demoulin, P., Poland, A., & Thompson, B., "Some dynamical aspects of a quiescent filament", 1988A&A . . 197 . . 281S [ADS](#)
- Démoulin, P. & Einaudi, G., "Can a thermal instability form a prominence?", 1988dssp.conf . . 93D [ADS](#)
- Demoulin, P. & Priest, E., "Non equilibrium of a prominence current in a linear force free field.", 1988dssp.conf . . 45D [ADS](#)
- Demoulin, P., Malherbe, J. M., Schmieder, B., & Raadu, M. A., "Fine structures in solar filaments. I - Observations and thermal stability", 1987A&A . . 183 . . 142D [ADS](#)
- Demoulin, P. & Einaudi, G., "Can a Thermal Instability Form a Prominence", 1987dssp.work . . 93D [ADS](#)
- Demoulin, P. & Priest, E. R., "Nonequilibrium of a Prominence Current in a Linear Force-Free Field", 1987dssp.work . . 45D [ADS](#)
- Simon, G., Schmieder, B., Demoulin, P., Malherbe, J. M., & Poland, A. I., "Constraints on filament models deduced from dynamical analysis.", 1986NASCP2442 . . 177S [ADS](#)
- Demoulin, P., Malherbe, J.-M., Schmieder, B., & Raadu, M. A., "Thermal stability analysis of the fine structure of solar prominences.", 1986NASCP2442 . . 143D [ADS](#)
- Simon, G., Schmieder, B., Demoulin, P., & Poland, A. I., "Dynamics of solar filaments. VI - Center-to-limb study of H-alpha and C IV velocities in a quiescent filament", 1986A&A . . 166 . . 319S [ADS](#)