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- Nóbrega-Siverio, D. & Moreno-Insertis, F., “A 2D Model for Coronal Bright Points: Association with Spicules, UV Bursts, Surges, and EUV Coronal Jets”, 2022ApJ...935L..21N ADS
- Moreno-Insertis, F., Nóbrega-Siverio, D., Priest, E. R., & Hood, A. W., “Ambipolar diffusion: Self-similar solutions and MHD code testing. Cylindrical symmetry”, 2022A&A...662A..42M ADS
- Luna, M. & Moreno-Insertis, F., “Large-amplitude Prominence Oscillations following Impact by a Coronal Jet”, 2021ApJ...912...75L ADS
- Madjarska, M. S., Chae, J., Moreno-Insertis, F., et al., “The chromospheric component of coronal bright points. Coronal and chromospheric responses to magnetic-flux emergence”, 2021A&A...646A.107M ADS
- Joshi, R., Chandra, R., Schmieder, B., et al., “Case study of multi-temperature coronal jets for emerging flux MHD models”, 2020A&A...639A..22J ADS
- Nóbrega-Siverio, D., Martínez-Sykora, J., Moreno-Insertis, F., & Carlsson, M., “Ambipolar diffusion in the Bifrost code”, 2020A&A...638A..79N ADS
- Joshi, R., Chandra, R., Schmieder, B., et al., “Quasi Periodic Oscillations in the Pre Phases of Recurrent Jets Highlighting Plasmoids in Current Sheet”, 2020EGUGA...222351J ADS
- Nóbrega-Siverio, D., Moreno-Insertis, F., Martínez-Sykora, J., Carlsson, M., & Szydlarski, M., “Nonequilibrium ionization and ambipolar diffusion in solar magnetic flux emergence processes”, 2020A&A...633A..66N ADS
- Luna, M., Priest, E., & Moreno-Insertis, F., “Self-similar Approach for Rotating Magneto-hydrodynamic Solar and Astrophysical Structures”, 2018ApJ...863..147L ADS
- Moreno-Insertis, F., Martínez-Sykora, J., Hansteen, V. H., & Muñoz, D., “Small-scale Magnetic Flux Emergence in the Quiet Sun”, 2018ApJ...859L..26M ADS
- Nóbrega-Siverio, D., Moreno-Insertis, F., & Martínez-Sykora, J., “On the Importance of the Nonequilibrium Ionization of Si IV and O IV and the Line of Sight in Solar Surges”, 2018ApJ...858...8N ADS
- Nóbrega-Siverio, D., Martínez-Sykora, J., Moreno-Insertis, F., & Rouppe van der Voort, L., “Surges and Si IV Bursts in the Solar Atmosphere: Understanding IRIS and SST Observations through RMHD Experiments”, 2017ApJ...850..153N ADS
- Galsgaard, K., Madjarska, M. S., Moreno-Insertis, F., Huang, Z., & Wiegmann, T., “Magnetic topological analysis of coronal bright points”, 2017A&A...606A..46G ADS
- Raouafi, N. E., Patsourakos, S., Pariat, E., et al., “Solar Coronal Jets: Observations, Theory, and Modeling”, 2016SSRv...201...1R ADS
- Nóbrega-Siverio, D., Moreno-Insertis, F., & Martínez-Sykora, J., “The Cool Surge Following Flux Emergence in a Radiation-MHD Experiment”, 2016usc...confE..68N ADS
- Galsgaard, K. & Moreno-Insertis, F., “Mini-CME eruptions in a flux emergence event in a coronal hole environment”, 2016usc...confE..64G ADS
- Nóbrega-Siverio, D., Moreno-Insertis, F., & Martínez-Sykora, J., “The Cool Surge Following Flux Emergence in a Radiation-MHD Experiment”, 2016ApJ...822...18N ADS
- Cauzzi, G., Shchukina, N., Kosovichev, A., et al., “Commission 12: Solar Radiation and Structure”, 2016IAUTA...29..278C ADS
- Ogunjo, S. T., Luna Bannasar, M., Moreno-Insertis, F., & Priest, E. R., “Are Tornado-Like Magnetic Structures Able to Support Solar Prominence Plasma?”, 2015AGUFMSH53B24830 ADS
- Martínez-Sykora, J., Moreno-Insertis, F., & Cheung, M. C. M., “Multi-parametric Study of Rising 3D Buoyant Flux Tubes in an Adiabatic Stratification Using AMR”, 2015ApJ...814...2M ADS
- Luna, M., Moreno-Insertis, F., & Priest, E., “Are Tornado-like Magnetic Structures Able to Support Solar Prominence Plasma?”, 2015ApJ...808L..23L ADS
- Fabbian, D. & Moreno-Insertis, F., “Continuum Intensity and [O I] Spectral Line Profiles in Solar 3D Photospheric Models: The Effect of Magnetic Fields”, 2015ApJ...802...96F ADS
- Yelles Chaouche, L., Moreno-Insertis, F., & Bonet, J. A., “The power spectrum of solar convection flows from high-resolution observations and 3D simulations”, 2014A&A...563A..93Y ADS
- Beck, C., Fabbian, D., Moreno-Insertis, F., Puschmann, K. G., & Rezaei, R.: 2013, Thermodynamic fluctuations in solar photospheric three-dimensional convection simulations and observations (Corrigendum), Astronomy & Astrophysics, Volume 559, id.C1, 1 pp. 2013A&A...559C...1B ADS
- Schmieder, B., Guo, Y., Moreno-Insertis, F., et al., “Twisting solar coronal jet launched at the boundary of an active region”, 2013A&A...559A...1S ADS
- Beck, C., Fabbian, D., Moreno-Insertis, F., Puschmann, K. G., & Rezaei, R., “Thermodynamic fluctuations in solar photospheric three-dimensional convection simulations and observations”, 2013A&A...557A.109B ADS
- Moreno-Insertis, F. & Galsgaard, K., “Plasma Jets and Eruptions in Solar Coronal Holes: A Three-dimensional Flux Emergence Experiment”, 2013ApJ...771...20M ADS
- Galsgaard, K. & Moreno-Insertis, F., “MHD simulations of flux emergence in an open field region: Jet formation and explosive events.”, 2013ens.confE..32G ADS
- Fabbian, D., Moreno-Insertis, F., Khomenko, E., & Nordlund, Å., “Solar Fe abundance and magnetic fields. Towards a consistent reference metallicity”, 2012A&A...548A..35F ADS
- Moreno-Insertis, F., “The emergence of magnetized plasma from the solar interior into the atmosphere”, 2012cosp...39.1275M ADS
- Moreno-Insertis, F., “Sources and Removal of Magnetic Flux in the Solar Atmosphere”, 2012ASPC...455..91M ADS
- Moreno-Insertis, F., “Magnetic flux emergence into the atmosphere: 3D numerical models.”, 2012decs.confE.114M ADS
- Yelles Chaouche, L., Kuckein, C., Martínez Pillet, V., & Moreno-Insertis, F., “The Three-dimensional Structure of an Active Region Filament as Extrapolated from Photospheric and Chromospheric Observations”, 2012ApJ...748...23Y ADS
- Martínez-Sykora, J., Hansteen, V., & Moreno-Insertis, F., “On the Origin of the Type II Spicules: Dynamic Three-dimensional MHD Simulations”, 2011ApJ...736...9M ADS
- Yelles Chaouche, L., Moreno-Insertis, F., Martínez Pillet, V., et al., “Mesogranulation and the Solar Surface Magnetic Field Distribution”, 2011ApJ...727L..30Y ADS
- Fabbian, D., Khomenko, E., Moreno-Insertis, F., & Nordlund, Å., “Solar Abundance Corrections Derived Through Three-dimensional Magnetohydrodynamic Simulations”, 2010ApJ...724.1536F ADS
- Pérez-Fournon, I., Balcells, M., Moreno-Insertis, F., & Sánchez, F.: 2010, Galaxies at High Redshift 2010gahr.book....P ADS
- Martínez-Sykora, J., De Pontieu, B., Hansteen, V., & Moreno-Insertis, F., “Comparison Of Observations And Advanced Numerical Simulations Of Type II Spicules”, 2010AAS...21640306M ADS
- Moreno-Insertis, F., Galsgaard, K., & Ugarte-Urra, I., “X-Ray Jets in Coronal Holes: Numerical Simulation and Hinode Observations”, 2009ASPC...415...51M ADS
- Tortosa-Andreu, A. & Moreno-Insertis, F., “Magnetic flux emergence into the solar photosphere and chromosphere”, 2009A&A...507..949T ADS
- Hood, A. W., Archontis, V., Galsgaard, K., & Moreno-Insertis, F., “The emergence of toroidal flux tubes from beneath the solar photosphere”, 2009A&A...503..999H ADS
- Moreno-Insertis, F., “X-ray jets and magnetic flux emergence in the Sun”, 2009IAUS...259..201M ADS
- Galsgaard, K. & Moreno-Insertis, F., “Magnetic Flux Emergence and Jet Formation in Coronal Holes”, 2008ESPM...12.3.27G ADS
- Cheung, M. C. M., Schüssler, M., & Moreno-Insertis, F., “Magnetic Flux Emergence in the Solar Photosphere”, 2008ASPC...384..181C ADS
- Moreno-Insertis, F., Galsgaard, K., & Ugarte-Urra, I., “Jets in Coronal Holes: Hinode Observations and Three-dimensional Computer Modeling”, 2008ApJ...673L.211M ADS
- Cheung, M. C., Schüssler, M., Moreno-Insertis, F., & Tarbell, T. D., “Photospheric Magnetic Flux Emergence: A comparative study between Hinode/SOT Observations and MHD simulations”, 2007AGUFMSH53A1073C ADS
- Moreno-Insertis, F., “Three-dimensional numerical experiments of flux emergence into the corona”, 2007ASPC...369..335M ADS
- Galsgaard, K., Archontis, V., Moreno-Insertis, F., & Hood, A. W., “The Effect of the Relative Orientation between the Coronal Field and New Emerging Flux. I. Global Properties”, 2007ApJ...666..516G ADS
- Cheung, M., Schüssler, M., Moreno-Insertis, F., Tarbell, T., & SOT Team, “Magnetic Flux Emergence In Granular Convection: Radiative MHD Simulations And Hinode SOT Observations”, 2007AAS...210.9425C ADS
- Cheung, M. C. M., Schüssler, M., & Moreno-Insertis, F., “Magnetic flux emergence in granular convection: radiative MHD simulations and observational signatures”, 2007A&A...467..703C ADS
- Cheung, M. C. M., Schüssler, M., & Moreno-Insertis, F., “The origin of the reversed granulation in the solar photosphere”, 2007A&A...461.1163C ADS
- Moreno-Insertis, F., “Flux Emergence from the Solar Interior to the Atmosphere: The Passage through the Photosphere”, 2006ASPC...354..183M ADS
- Cheung, M. C. M., Schüssler, M., & Moreno-Insertis, F., “Flux Emergence at the Photosphere”, 2006ASPC...354...97C ADS
- Murray, M. J., Hood, A. W., Moreno-Insertis, F., Galsgaard, K., & Archontis, V., “3D simulations identifying the effects of varying the twist and field strength of an emerging flux tube”, 2006A&A...460..909M ADS
- Archontis, V., Galsgaard, K., Moreno-Insertis, F., & Hood, A. W., “Three-dimensional Plasmoid Evolution in the Solar Atmosphere”, 2006ApJ...645L.161A ADS

- Cheung, M. C. M., Moreno-Insertis, F., & Schüssler, M., "Moving magnetic tubes: fragmentation, vortex streets and the limit of the approximation of thin flux tubes", 2006A&A...451...303C ADS
- Archontis, V., Moreno-Insertis, F., Galsgaard, K., & Hood, A. W., "Flux emergence and interaction with a coronal field: 3D MHD simulations", 2006IAUS...233...53A ADS
- Moreno-Insertis, F., "Magnetic flux emergence into the atmosphere", 2006IAUS...233...33M ADS
- Archontis, V., Moreno-Insertis, F., Galsgaard, K., & Hood, A. W., "The Three-dimensional Interaction between Emerging Magnetic Flux and a Large-Scale Coronal Field: Reconnection, Current Sheets, and Jets", 2005ApJ...635.1299A ADS
- Galsgaard, K., Moreno-Insertis, F., Archontis, V., & Hood, A., "Magnetic Flux Emergence and its Interaction with AN Existing Coronal Field", 2005ESASP.596E...55G ADS
- Cheung, M., Schüssler, M., & Moreno-Insertis, F., "D Magneto-Convection and Flux Emergence in the Photosphere", 2005ESASP.596E...54C ADS
- Galsgaard, K., Moreno-Insertis, F., Archontis, V., & Hood, A., "Magnetic Flux Emergence and its Interaction with AN Existing Coronal Field", 2005ESASP.596E...27G ADS
- Galsgaard, K., Moreno-Insertis, F., Archontis, V., & Hood, A., "A Three-dimensional Study of Reconnection, Current Sheets, and Jets Resulting from Magnetic Flux Emergence in the Sun", 2005ApJ...618L.153G ADS
- Archontis, V., Moreno-Insertis, F., Galsgaard, K., & Hood, A., "3D MHD Simulations on Magnetic Flux Emergence", 2004ESASP.575...342A ADS
- Moreno-Insertis, F., Galsgaard, K., Archontis, V., & Hood, A., "Flux Emergence from the Solar Interior Into a Uniformly Magnetized Corona", 2004ESASP.575...216M ADS
- Archontis, V., Moreno-Insertis, F., Galsgaard, K., Hood, A., & O'Shea, E., "Emergence of magnetic flux from the convection zone into the corona", 2004A&A...426.1047A ADS
- Moreno-Insertis, F., "The Emergence of Magnetic Field into Stellar Atmospheres", 2004Ap&SS.292...587M ADS
- , "Galaxies at High Redshift", 2003ghr...conf...P ADS
- Pérez-Fourmon, I., Balcells, M., Moreno-Insertis, F., & Sánchez, F.: 2003a, Galaxies at High Redshift 2003gahr.book...P ADS
- Pérez-Fourmon, I., Balcells, M., Moreno-Insertis, F., & Sánchez, F., "Preface (Galaxies at high redshift)", 2003ghr...confD...13P ADS
- Moreno-Insertis, F., Schüssler, M., & Glampedakis, K., "Thermal properties of magnetic flux tubes. I. Solution of the diffusion problem", 2002A&A...388.1022M ADS
- Gomez-Pelaez, A. J. & Moreno-Insertis, F., "Thermal Instability in a Cooling and Expanding Medium Including Self-Gravity and Conduction", 2002ApJ...569...766G ADS
- Trujillo-Bueno, J., Moreno-Insertis, F., & Sánchez Martínez, F.: 2002, Astrophysical Spectropolarimetry 2002assp.book...T ADS
- Trujillo-Bueno, J. & Moreno-Insertis, F., "Preface (Astrophysical spectropolarimetry)", 2002apsp.confD...11T ADS
- , "Astrophysical spectropolarimetry", 2002apsp.conf...T ADS
- Emonet, T., Moreno-Insertis, F., & Rast, M. P., "The Zigzag Path of Buoyant Magnetic Tubes and the Generation of Vorticity along Their Periphery", 2001ApJ...549.1212E ADS
- Rempel, M., Schüssler, M., Moreno-Insertis, F., & Tóth, G., "Storage of a Strong Magnetic Field Below the Solar Convection Zone (CD-ROM Directory: contribs/rempel)", 2001ASPC...223...738R ADS
- Moreno Insertis, F., Saar, S. H., & Solanki, S. K., "Magnetic Fields in Cool Stars (CD-ROM Directory: contribs/moreno)", 2001ASPC...223...435M ADS
- Moreno-Insertis, F., "Solar Interior: Emerging Magnetic Flux Tubes", in P. Murdin (Ed.), Encyclopedia of Astronomy and Astrophysics, 2521 2000eaa...bookE2521M ADS
- Lenz, D. D. & Moreno-Insertis, F., "Effects of Non-Uniform Thermal Conduction on Solar Convection-Zone Flux Tubes", 2000SPD...31.0137L ADS
- Emonet, T., Moreno-Insertis, F., & Rast, M. P., "The Dynamics of Buoyant Magnetic Ropes and the Generation of Vorticity in their Periphery", 2000SPD...31.0133E ADS
- Moreno-Insertis, F. & Solanki, S. K., "Distribution of magnetic flux on the solar surface and low-degree p-modes", 2000MNRAS.313...411M ADS
- Rempel, M., Schüssler, M., & Moreno-Insertis, F., "Storage of toroidal magnetic field below the solar convection zone", 1999AGAb...15R...74R ADS
- Caligari, P., Schüssler, M., & Moreno-Insertis, F., "Emerging Flux Tubes in the Solar Convection Zone. II. The Influence of Initial Conditions", 1998ApJ...502...481C ADS
- , "A crossroads for European solar and heliospheric physics. Recent achievements and future mission possibilities. Proceedings.", 1998cesh.conf...P ADS
- Emonet, T. & Moreno-Insertis, F., "The Physics of Twisted Magnetic Tubes Rising in a Stratified Medium: Two-dimensional Results", 1998ApJ...492...804E ADS
- Petrovay, K. & Moreno-Insertis, F., "Turbulent Erosion of Magnetic Flux Tubes", 1997ApJ...485...398P ADS
- Moreno-Insertis, F., "Emergence of magnetThe limits of the thin flux tube approximation", 1997smf...proc...3M ADS
- Moreno-Insertis, F., "Emergence of magnetic flux in the convection zone. The limits of the thin flux tube approximation.", 1997smf...conf...3M ADS
- Moreno-Insertis, F., "Emergence of magnetic flux from the solar interior", 1997MmSAI...68...429M ADS
- Caligari, P., Schüssler, M., & Moreno-Insertis, F., "Origin of the Proper Motions of Emerging Bipolar Magnetic Regions", 1997ASPC...118...76C ADS
- Emonet, T. & Moreno-Insertis, F., "The Rise of Magnetic Flux Tubes across a Stratified Medium: Effects of the Twist", 1997ASPC...118...71E ADS
- Moreno-Insertis, F., "Multidimensional simulation of the rise of magnetic flux tubes", 1997ASPC...118...45M ADS
- Moreno-Insertis, F. & Emonet, T., "The Rise of Twisted Magnetic Tubes in a Stratified Medium", 1996ApJ...472L...53M ADS
- Moreno-Insertis, F., Schüssler, M., & Ferriz-Mas, A., "Enhanced inertia of thin magnetic flux tubes.", 1996A&A...312...317M ADS
- Emonet, T. & Moreno-Insertis, F., "Equilibrium of Twisted Horizontal Magnetic Flux Tubes", 1996ApJ...458...783E ADS
- Emonet, T. & Moreno-Insertis, F., "MHS-Equilibrium of Twisted Magnetic Tubes", 1996ApL&C...34...9E ADS
- Cauzzi, G., Moreno-Insertis, F., & van Driel-Gesztelyi, L., "Asymmetries in solar active regions and flux emergence models", 1996ASPC...109...121C ADS
- Moreno-Insertis, F., Caligari, P., & Schüssler, M., "'Explosion" and Intensification of Magnetic Flux Tubes", 1995ApJ...452...894M ADS
- Caligari, P., Moreno-Insertis, F., & Schüssler, M., "Emerging Flux Tubes in the Solar Convection Zone. I. Asymmetry, Tilt, and Emergence Latitude", 1995ApJ...441...886C ADS
- Moreno-Insertis, F., Caligari, P., & Schüssler, M., "Active Region Asymmetry as a Result of the Rise of Magnetic Flux Tubes", 1994SoPh...153...449M ADS
- Moreno-Insertis, F., Ferriz-Mas, A., & Schüssler, M., "Forces on Magnetic Flux Tubes Moving in Inhomogeneous Flows", 1994ApJ...422...652M ADS
- Caligari, P., Ferriz-Mas, A., Moreno-Insertis, F., & Schüssler, M., "Instability and eruption of magnetic flux tubes", 1994smf...conf...139C ADS
- Moreno-Insertis, F., "The magnetic field in the convection zone as a link between the active regions on the surface and the field in the solar interior", 1994smf...conf...117M ADS
- Moreno-Insertis, F., Schüssler, M., & Caligari, P., "Dynamics of erupting magnetic flux tubes", 1994ASIC...433...407M ADS
- Schüssler, M., Caligari, P., Ferriz-Mas, A., & Moreno-Insertis, F., "Instability and eruption of magnetic flux tubes in the solar convection zone.", 1994A&A...281L...69S ADS
- Martínez Pillet, V., Moreno-Insertis, F., & Vázquez, M., "The distribution of sunspot decay rates.", 1993A&A...274...521M ADS
- Moreno-Insertis, F., "The Motion of Magnetic Flux Tubes in the Convection Zone and the Subsurface Origin of Active Regions", 1993sto...work...385M ADS
- Moreno-Insertis, F., Schüssler, M., & Ferriz-Mas, A., "Storage of Magnetic Flux in the Overshoot Region", 1993IAUS...157...41M ADS
- Martínez Pillet, V., Moreno-Insertis, F., & Vázquez, M., "The Distribution of Sunspot Decay Rates", 1993ASPC...46...67M ADS
- Ferriz-Mas, A. & Moreno-Insertis, F., "Shock wave propagation in a magnetic flux tube", 1992PhFLA...4.2700F ADS
- Moreno-Insertis, F., Schüssler, M., & Ferriz-Mas, A., "Storage of magnetic flux tubes in a convective overshoot region", 1992A&A...264...686M ADS
- Moreno-Insertis, F., "The Motion of Magnetic Flux Tubes in the Convection Zone and the Subsurface Origin of Active Regions", 1992ASIC...375...385M ADS
- Caligari, P., Moreno-Insertis, F., & Schüssler, M., "Instability of magnetic flux tubes in the solar convection zone.", 1992AGAb...7...152C ADS
- Ferriz Mas, A. & Moreno Insertis, F., "Damping of Shocks in Magnetic Flux Tubes", 1991mch.conf...417F ADS
- Martínez Pillet, V., Moreno-Insertis, F., & Vázquez, M., "Decay rates of sunspot groups from 1874 to 1976", 1990Ap&SS.170...3M ADS
- Moreno-Insertis, F. & Spruit, H. C., "Stability of Sunspots to Convective Motions. I. Adiabatic Instability", 1989ApJ...342.1158M ADS
- Moreno-Insertis, F. & Vázquez, M., "A statistical study of the decay phase of sunspot groups from 1874 to 1939", 1988A&A...205...289M ADS
- Ferriz-Mas, A. & Moreno-Insertis, F., "An analytical study of shock waves in thin magnetic flux tubes", 1987A&A...179...268F ADS
- Moreno-Insertis, F. & Vázquez, M., "Decay Rates of Sunspot Groups from 1874 to 1939", 1987rfsm.conf...196M ADS
- Moreno-Insertis, F., "The Subsurface Structure of Sunspots and the Origin of Solar Active Regions", 1987rfsm.conf...167M ADS
- Moreno-Insertis, F., "The subsurface structure of sunspots and the origin of solar active regions", 1987fsmf.conf...167M ADS

- Moreno-Insertis, F., “*Nonlinear time-evolution of kink-unstable magnetic flux tubes in the convective zone of the sun*”, 1986A&A...166..291M [ADS](#)
- Moreno-Insertis, F., “*Non linear time-evolution of kink-unstable magnetic flux tubes in the convection zone of the Sun.*”, 1986MPARp.226....M [ADS](#)
- Collados, M., García de La Rosa, J. I., Moreno-Insertis, F., & Vázquez, M., “*Observations of the Birth and Fine Structure of Sunspot Penumbrae*”, in R. Muller (Ed.), High Resolution in Solar Physics, Vol. 223, 133 1985LNP...233..133C [ADS](#)
- Moreno-Insertis, F., “*Nonlinear time-evolution of kink-unstable magnetic flux tubes in the convection zone of the Sun.*”, 1984ESASP.220...81M [ADS](#)
- Moreno-Insertis, F., “*Rise times of horizontal magnetic flux tubes in the convection zone of the sun*”, 1983A&A...122..241M [ADS](#)