

Bibliography from ADS file: regnier.bib
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- Karampelas, K., Botha, G. J. J., Regnier, S., & McLaughlin, J. A., “Oscillatory Reconnection of a 2D X-point in a hot coronal plasma”, 2022cosp...44.2559K ADS
- Karampelas, K., Botha, G. J. J., Regnier, S., & McLaughlin, J. A., “Using Oscillatory Reconnection of a 2D X-point as a tool for coronal seismology”, 2022cosp...44.2487K ADS
- Karampelas, K., McLaughlin, J. A., Botha, G. J. J., & Régnier, S., “The Independence of Oscillatory Reconnection Periodicity from the Initial Pulse”, 2022ApJ...933..142K ADS
- Karampelas, K., McLaughlin, J. A., Botha, G. J. J., & Régnier, S., “Oscillatory Reconnection of a 2D X-point in a Hot Coronal Plasma”, 2022ApJ...925..195K ADS
- Williams, T., Walsh, R. W., Regnier, S., & Johnston, C. D., “Multi-Stranded Coronal Loops: Quantifying Strand Number and Heating Frequency from Simulated Solar Dynamics Observatory (SDO) Atmospheric Imaging Assembly (AIA) Observations”, 2021SoPh...296..102W ADS
- Tiwari, A. K., Morton, R. J., Régnier, S., & McLaughlin, J. A., “Damping of Propagating Kink Waves in the Solar Corona”, 2019ApJ...876..106T ADS
- Bocchialini, K., Grison, B., Menvielle, M., et al., “Erratum: Correction to: Statistical Analysis of Solar Events Associated with Storm Sudden Commencements over One Year of Solar Maximum During Cycle 23: Propagation from the Sun to the Earth and Effects”, 2019SoPh...294...38B ADS
- González-Avilés, J. J., Guzmán, F. S., Fedun, V., et al., “In situ generation of coronal Alfvén waves by jets”, 2019MNRAS.484.1936G ADS
- Bocchialini, K., Grison, B., Menvielle, M., et al., “Statistical Analysis of Solar Events Associated with Storm Sudden Commencements over One Year of Solar Maximum During Cycle 23: Propagation from the Sun to the Earth and Effects”, 2018SoPh...293...75B ADS
- González-Avilés, J. J., Guzmán, F. S., Fedun, V., et al., “I. Jet Formation and Evolution Due to 3D Magnetic Reconnection”, 2018ApJ...856..176G ADS
- Bocchialini, K., Grison, B., Menvielle, M., et al., “Statistical Analysis of Solar Events Associated with Storm Sudden Commencements over One Year of Solar Maximum during Cycle 23: Propagation and Effects from the Sun to the Earth”, 2017sf2a.conf...181B ADS
- González, J. J., Guzmán, F., Fedun, V., et al., “I. Jet Formation and Evolution due to 3D Magnetic Reconnection”, 2017AGUFM343A2807G ADS
- Cornilleau-Wehrin, N., Bocchialini, K., Menvielle, M., et al., “Statistical analysis of solar events associated with SSC over year of solar maximum during cycle 23: 2. Characterisation on the Sun-Earth path - Geoeffectiveness”, 2017AGUFM31A2712C ADS
- Grison, B., Bocchialini, K., Menvielle, M., et al., “Statistical Analysis of Solar Events Associated with SSC over Year of Solar Maximum during Cycle 23: 1. Identification of Related Sun-Earth Events”, 2017AGUFM31A2711G ADS
- Snow, B., Botha, G. J. J., Régnier, S., et al., “Observational Signatures of a Kink-unstable Coronal Flux Rope Using Hinode/EIS”, 2017ApJ...842...16S ADS
- Cornilleau-Wehrin, N., Bocchialini, K., Menvielle, M., et al., “Statistical analysis of solar events associated with SSC over one year of solar maximum during cycle 23: propagation and effects from the Sun to the Earth”, 2017EGUGA...19.3689C ADS
- Rolling, A. & Régnier, S., “Magnetic evolution of emerging active region 11856 using a potential field model”, 2017psio.confE.114R ADS
- Morton, R. J., Scullion, E., Bloomfield, D. S., et al., “Exploring Coronal Dynamics: A Next Generation Solar Physics Mission white paper”, 2016arXiv161106149M ADS
- McLaughlin, J. A., Botha, G. J. J., Régnier, S., & Spoons, D. L., “3D WKB solution for fast magnetoacoustic wave behaviour around an X-line”, 2016A&A...591A.103M ADS
- DeRosa, M. L., Wheatland, M. S., Leka, K. D., et al., “The Influence of Spatial resolution on Nonlinear Force-free Modeling”, 2015ApJ...811..107D ADS
- Régnier, S., “A new approach to the maser emission in the solar corona”, 2015A&A...581A...9R ADS
- Snow, B., Botha, G. J. J., & Régnier, S., “Chromospheric seismology above sunspot umbrae”, 2015A&A...580A.107S ADS
- Regnier, S., Alexander, C. E., & Walsh, R. W., “Thermal properties of cooling multi-stranded coronal loops”, 2014AGUFM13C4132R ADS
- Regnier, S. & Walsh, R. W., “Red and Blueshifts in Multi-stranded Coronal Loops: A New Temperature Diagnostic”, 2014arXiv1405.3450R ADS
- Régnier, S., Alexander, C. E., Walsh, R. W., et al., “Sparkling Extreme-ultraviolet Bright Dots Observed with Hi-C”, 2014ApJ...784..134R ADS
- Long, D. M., Williams, D. R., Régnier, S., & Harra, L. K., “Measuring the Magnetic-Field Strength of the Quiet Solar Corona Using “EIT Waves””, 2013SoPh...288..567L ADS
- Régnier, S., “Magnetic Field Extrapolations into the Corona: Success and Future Improvements”, 2013SoPh...288..481R ADS
- Alexander, C. E., Walsh, R. W., Régnier, S., et al., “Anti-parallel EUV Flows Observed along Active Region Filament Threads with Hi-C”, 2013ApJ...775L..32A ADS
- Regnier, S., “Structure and evolution of a unipolar streamer observed by SDO/AIA”, 2013ens.confE.102R ADS
- Long, D. M., Williams, D. R., Régnier, S., & Harra, L. K., “Measuring the magnetic field strength of the quiet solar corona using “EIT waves””, 2013ens.confE..89L ADS
- Regnier, S., Alexander, C. E., Walsh, R. W., & Hi-C Science Team, “Small-scale heating events at the footpoints of coronal loops observed by Hi-C and SDO/AIA”, 2013ens.confE..77R ADS
- Alexander, C. E., Regnier, S., Walsh, R. W., & Hi-C Science Team, “Dynamic anti-parallel flows observed within an active region filament with SDO/AIA and Hi-C”, 2013ens.confE..71A ADS
- Régnier, S., “3D Structure of the Outer Atmosphere: Combining Models and Observations”, 2012ASPC...454..355R ADS
- Régnier, S., “Thermal shielding of an emerging active region”, 2012A&A...544L..10R ADS
- Boutry, C., Buchlin, E., Vial, J. C., & Régnier, S., “Flows at the Edge of an Active Region: Observation and Interpretation”, 2012ApJ...752...13B ADS
- Boutry, C., Buchlin, E., Vial, J., & Régnier, S., “Flows in the Vicinity of Two Active Regions as Seen by Hinode, STEREO, and SoHO”, 2012ASPC...455...83B ADS
- Regnier, S., “Internal vs external reconnection observed by SDO in a newly emerged active region”, 2012decs.confE..57R ADS
- Regnier, S., Walsh, R. W., & Pearson, J., “Explaining observed red and blue-shifts using multi-stranded coronal loops”, 2012decs.confE..39R ADS
- Régnier, S., “Magnetic Energy Storage and Current Density Distributions for Different Force-Free Models”, 2012SoPh...277..131R ADS
- Regnier, S., “Modelling the magnetic field evolution with potential fields”, 2011AGUFM343B1945R ADS
- Régnier, S., Walsh, R. W., & Alexander, C. E., “A new look at a polar crown cavity as observed by SDO/AIA. Structure and dynamics”, 2011A&A...533L...1R ADS
- Dalla, S., Walsh, R. W., Chapman, S. A., et al., “The UCLan SDO Data Hub”, 2010AGUFM23C1876D ADS
- Regnier, S., “Emergence of an active region with SDO: the first eight hours”, 2010AGUFM11A1612R ADS
- Wheatland, M. S., Gilchrist, S. A., & Régnier, S., “Modelling the Coronal Magnetic Field Using Hinode (and Future) Data”, 2010aogs...21..327W ADS
- Regnier, S., “Coronal response to the dynamic evolution of the quiet-Sun magnetic field observed by Hinode/SOT”, 2009AGUFM5H51A1260R ADS
- Wheatland, M. S. & Régnier, S., “A Self-Consistent Nonlinear Force-Free Solution for a Solar Active Region Magnetic Field”, 2009ApJ...700L..88W ADS
- De Rosa, M. L., Schrijver, C. J., Barnes, G., et al., “Nonlinear Force-Free Magnetic Field Modeling of AR 10953: A Critical Assessment”, 2009SPD...40.3102D ADS
- De Rosa, M. L., Schrijver, C. J., Barnes, G., et al., “A Critical Assessment of Nonlinear Force-Free Field Modeling of the Solar Corona for Active Region 10953”, 2009ApJ...696.1780D ADS
- Régnier, S., “Relationship between photospheric currents and coronal magnetic helicity for force-free bipolar fields”, 2009A&A...497L..17R ADS
- Appourchaux, T., Liewer, P., Watt, M., et al., “POLAR investigation of the Sun-POLARIS”, 2009ExA...23.1079A ADS
- De Rosa, M. L., Schrijver, C. J., Barnes, G., et al., “Nonlinear Force-Free Magnetic Field Modeling of the Solar Corona: A Critical Assessment”, 2008AGUFM41A1604D ADS
- Régnier, S., Priest, E. R., & Hood, A. W., “Coronal Alfvén speeds in an isothermal atmosphere. I. Global properties”, 2008A&A...491..297R ADS
- Régnier, S., “What Can we Learn from Nonlinear Force-Free Extrapolations?”, 2008ASPC...397...75R ADS
- Régnier, S., Parnell, C. E., & Haynes, A. L., “A new view of quiet-Sun topology from Hinode/SOT”, 2008A&A...484L..47R 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
- Regnier, S., “Influence of boundary conditions on active region topology”, 2008cosp...37.2587R ADS

- Regnier, S., Parnell, C., & Haynes, A., "Quiet Sun topology from Hinode/SOT", 2008cosp...37.2586R ADS
- Regnier, S., Priest, E., & Hood, A., "Global properties of Alfvén speeds in the corona", 2008cosp...37.2585R ADS
- Régnier, S. & Priest, E. R., "Free Magnetic Energy in Solar Active Regions above the Minimum-Energy Relaxed State", 2007ApJ...669L..53R ADS
- Régnier, S. & Priest, E. R., "Nonlinear force-free models for the solar corona. I. Two active regions with very different structure", 2007A&A...468..701R ADS
- Régnier, S., "Nonlinear force-free field extrapolation: numerical methods and applications", 2007MmSAI...78..126R ADS
- Régnier, S., "Magnetic Reconnection Process Triggering C-Class Flares in Active Region 8210", 2006ESASP.617E.142R ADS
- Tomasz, F., Régnier, S., Schwarz, P., et al., "Study of a Small-Scale Eruptive Event Observed by SOHO/SUMER", 2006ESASP.617E..79T ADS
- Tomasz, F., Régnier, S., Schwartz, P., et al., "The Dynamics and Structure of the Solar Atmosphere As Obtained from Combined SUMER/SOHO and TIP2/VTT Observations", 2006ESASP.617E..78T ADS
- Schrijver, C. J., De Rosa, M. L., Metcalf, T. R., et al., "Nonlinear Force-Free Modeling of Coronal Magnetic Fields Part I: A Quantitative Comparison of Methods", 2006SoPh...235..161S ADS
- Régnier, S. & Canfield, R. C., "Evolution of magnetic fields and energetics of flares in active region 8210", 2006A&A...451..319R ADS
- Régnier, S. & Canfield, R. C., "Evidence of Small Scale Reconnection in a Moving Feature", 2005ESASP.600E..94R ADS
- Régnier, S., Fleck, B., Abramenko, V., & Zhang, H. Q., "Evolution of the Magnetic Energy Budget in AR 10486 from Potential and Nonlinear Force-Free Models", 2005ESASP.596E..61R ADS
- Régnier, S. & Canfield, R. C., "Describing Coronal Magnetic Fields by Successive Force-Free Equilibria", 2005ESASP.596E..13R ADS
- Régnier, S., Amari, T., & Canfield, R. C., "Self and mutual magnetic helicities in coronal magnetic configurations", 2005A&A...442..345R ADS
- Regnier, S. & Canfield, R. C., "Self and Mutual Helicities in Coronal Magnetic Configurations", 2005AGUSMSP33A..04R ADS
- Regnier, S. & Fleck, B., "Energetics of AR 0486 from line-of-sight and vector magnetograms", 2005AGUSMSH51C..09R ADS
- Régnier, S. & Fleck, B., "Magnetic Field Evolution of AR 0486 Before and after the X17 Flare on October 28, 2003", 2004ESASP.575..519R ADS
- Lundquist, L. L., Fisher, G. H., McTiernan, J. M., & Régnier, S., "Using Synthetic Emission Images to Constrain Heating Parameters", 2004ESASP.575..306L ADS
- Régnier, S. & Canfield, R. C., "How is Magnetic Energy Stored and Released?", 2004ESASP.575..255R ADS
- Régnier, S. & Amari, T., "3D magnetic configuration of the H α filament and X-ray sigmoid in NOAA AR 8151", 2004A&A...425..345R ADS
- Welsch, B. T., Fisher, G. H., Abbett, W. P., & Regnier, S., "ILCT: Recovering Photospheric Velocities from Magnetograms by Combining the Induction Equation with Local Correlation Tracking", 2004ApJ...610.1148W ADS
- Fisher, G. H., Welsch, B. T., Abbett, W. P., & Regnier, S., "ILCT: Combining Local Correlation Tracking with the Magnetic Induction Equation", 2004AAS...204.8805F ADS
- Lundquist, L. L., Fisher, G. H., McTiernan, J. M., & Regnier, S., "Steady State Energy Balance in the Solar Corona", 2004AAS...204.7308L ADS
- Regnier, S. & Fleck, B., "The Magnetic Field Evolution of AR 10486 and AR 10488 Before and After the X17 Flare on Oct. 28, 2003", 2004AAS...204.0205R ADS
- Régnier, S. & Canfield, R. C., "Magnetic energy and magnetic helicity budget in AR 8210: What are the sources of flaring activity?", 2004IAUS...223..297R ADS
- Lundquist, L. L., Fisher, G. H., Régnier, S., Liu, Y., & Abbett, W. P., "Temperature, Density, and Magnetic Field Reconstructions of Active Region Coronal", 2003AGUFM42B0509L ADS
- Regnier, S. & Canfield, R. C., "The Active Region 8210: Observations, Coronal Magnetic Fields and Energetics", 2003AGUFM22A0174R ADS
- Ananou, B., Regnier, S., Ksari, Y., et al., "Detection of diluted marine tertiary tephra by electron spin resonance and magnetic measurements", 2003GeoJI.155..341A ADS
- Lundquist, L. L., Regnier, S., Abbett, W. P., & Fisher, G. H., "A Temperature and Density Model of the Solar Corona", 2003SPD...34.0404L ADS
- Regnier, S., Canfield, R. C., & Amari, T., "Force-free Fields in Active Regions: Magnetic configurations and Energetics", 2003SPD...34.0103R ADS
- Régnier, S., Solomon, J., Vial, J. C., & Mein, P., "MHD waves in active region filament from SOHO-THEMIS joint observations", 2002ESASP.505..647R ADS
- Régnier, S., Amari, T., & Canfield, R. C., "Non-constant- α force-free field of active region NOAA 8210", 2002ESASP.505...65R ADS
- Régnier, S., Amari, T., & Kersalé, E., "3D Coronal magnetic field from vector magnetograms: non-constant-alpha force-free configuration of the active region NOAA 8151", 2002A&A...392.1119R ADS
- Regnier, S., AMARI, T., & Kersale, E., "Non-constant-alpha force-free reconstruction of the coronal magnetic field. Example of the active region NOAA 8151", 2001AGUFM11C0729R ADS
- Régnier, S., Solomon, J., & Vial, J. C., "Oscillations in an active region filament: Observations and comparison with MHD waves", 2001A&A...376..292R ADS
- Régnier, S. & Amari, T., "Reconstruction of the Coronal Magnetic Field for Active Region NOAA 8151", 2001IAUS...203..441R ADS
- Régnier, S., Solomon, J., & Vial, J. C., "SUMER/SOHO Observations of Long Period Oscillations in an Active Region Filament", 2001IAUS...203..307R ADS
- Régnier, S., Solomon, J., Vial, J. C., Amari, T., & Mickey, D., "Magnetic and Dynamic Evolution of an Active Region", 1999ESASP.448..519R ADS
- Regnier, S., Amari, T., Solomon, J., Vial, J. C., & Mickey, D., "Multi-Instrument Study Of The Evolution Of An Active Region", 1999ESASP.446..571R ADS
- Rollot, Y., Regnier, S., & Guinot, J., "Microrobotique : modèle dynamique et loi horaire pour une micromanipulation par adhesion", 1998CRASB.326..469R ADS
- Régnier, S., Bocchialini, K., Vial, J. C., Delaboudinière, J. P., & Thompson, W., "Statistical analysis of solar bright points observed with the SOHO spacecraft.", 1998CRASB.326..211R ADS
- Lavielle, B., Regnier, S., Simonoff, G. N., Marti, K., & Woodard, M., "Extraterrestrial Evidence Regarding the Frequency of Collisional Events in the Solar System", 1985Metic...20Q.692L ADS
- Lavielle, B., Marti, K., & Regnier, S.: 1985b, Exposure ages of iron meteorites: Complex histories and the constancy of galactic cosmic rays, In CNES Isotopic Ratios in the Solar System p 15-20 (SEE N86-33216 24-88) 1985irss.rept...15L ADS
- Regnier, S., Lavielle, B., Marti, K., & Simonoff, G. N., "On the Record of Galactic Cosmic Ray Flux and Exposure Histories of Iron Meteorites", 1984Metic...19..298R ADS
- Marti, K., Lavielle, B., & Regnier, S., "Cosmic ray exposure ages of iron meteorites, complex irradiation and the constancy of cosmic ray flux in the past.", 1984LPICo.526...25M ADS
- Marti, K., Lavielle, B., & Regnier, S., "Cosmic Ray Exposure Ages of Iron Meteorites, Complex Irradiation and the Constancy of Cosmic Ray Flux in the Past", 1984LPI...15..511M ADS
- Regnier, S., Lavielle, B., Marti, K., & Simonoff, G. N., "On the record of galactic cosmic ray flux and traffic break-ups in iron meteorites", 1984LPICo.537E..53R ADS
- Baros, F. & Regnier, S., "Measurement of cross sections for ^{22}Na , $^{20-22}\text{Ne}$ and $^{36-42}\text{Ar}$ in the spallation of Mg, Al, Si, Ca and Fe. Production ratios of some cosmogenic nuclides in meteorites.", 1984JPhys...45..855B ADS
- Lavielle, B. & Regnier, S., "About Cosmogenic Krypton in Iron Meteorites", 1983Metic...18R.335L ADS
- Regnier, S., Baros, F., Lavielle, B., & Simonoff, G. N., " ^{22}Na / ^{22}Ne and ^{26}Al / ^{21}Ne Production Ratios in Iron Meteorites", 1983Metic...18Q.384R ADS
- Regnier, S. & Baros, F., "On the Production Ratio of Some Pairs of Isotopes in Meteorites", 1982Metic...17Q.274R ADS
- Regnier, S., Lavielle, B., & Simonoff, G. N., "More About Cosmogenic Krypton", 1982Metic...17..273R ADS
- Regnier, S., Lavielle, B., Simonoff, M., & Simonoff, G. N., "Nuclear reactions in Rb, Sr, Y, and Zr targets", 1982PhRvC...26..931R ADS
- Regnier, S., Lavielle, B., Simonoff, M., & Simonoff, G. N., "Spallation of Sr, Y and Zr Targets and Cosmogenic Krypton", 1981Metic...16R.382R ADS
- Nishiizumi, K., Regnier, S., & Marti, K., "Cosmic ray exposure ages of chondrites, pre-irradiation and constancy of cosmic ray flux in the past", 1980E&PSL...50..156N ADS
- Marti, K., Kurtz, J. P., & Regnier, S., "Pu-Nd-Xe Dating: A Stepwise Approach", 1979Metic...14R.482M ADS
- Nishiizumi, K., Regnier, S., & Marti, K., "Cosmic Ray Exposure Ages of Meteorites: A Recalibration", 1979Metic...14..499N ADS
- Regnier, S., "Production of argon isotopes by spallation of Sc, Ti, Fe, Co, Ni, and Cu", 1979PhRvC...20.1517R ADS
- Regnier, S., Hohenberg, C. M., Marti, K., & Reedy, R. C., "Predicted Versus Observed Cosmic-Ray Produced Noble Gases in Lunar Samples: Improved KR Production Ratios", 1979LPI...10.1016R ADS
- Regnier, S., "Production of KR Isotopes by Spallation on Y Targets and Implications for Kr-Kr Dating", 1979LPI...10.1013R ADS
- Kothari, B. K., Marti, K., Niemeyer, S., Regnier, S., & Stephens, J. R., "Noble Gas Trapping during Condensation: a Laboratory Study", 1979LPI...10..682K ADS
- Regnier, S., Hohenberg, C. M., Marti, K., & Reedy, R. C., "Predicted versus observed cosmic-ray-produced noble gases in lunar samples: improved Kr production ratios.", 1979LPSC...10.1565R ADS
- Marti, K. & Regnier, S., "Cosmic Ray Exposure Ages: An Assessment", 1978Metic...13..551M ADS

- Regnier, S., "Cross Section Measurements for Production of Stable Isotopes of Ne and Ar by High-Energy Spallation of Al, Sc, Ti, Fe, Co, Ni and Cu", 1977ICRC...2...76R [ADS](#)
- Cassé, M., Goret, P., & Regnier, S., " ^{36}Cl and the age of the cosmic rays.", 1975ICRC...2...544C [ADS](#)
- Regnier, S., Paillard, P., & Simonoff, G., "Production de béryllium-7 dans le fer et le silicium par des protons de 0.6 et 24 GeV", 1975CRASB.280...513R [ADS](#)
- Regnier, S., Lagarde, M., Simonoff, G. N., & Yokoyama, Y., "Production de ^{26}Al dans Fe et St par protons de 0.6 et 24 GeV", 1973E&PSL..18...9R [ADS](#)