

Bibliography from ADS file: malanushenko-anna.bib
 September 14, 2022

- Malanushenko, A., Rempel, M., Tremblay, B., & Kazachenko, M., "A Statistical Approach to Study Fine Structure of EUV Emission in Active Regions", 2022cosp...44.2526M [ADS](#)
- Tremblay, B., Malanushenko, A., Rempel, M., & Kazachenko, M., "Derivation of Boundary Conditions for Data-Driven Simulations of Active Regions and their Emission", 2022cosp...44.2472T [ADS](#)
- Provornikova, E., Gibson, S., Wiltberger, M., et al., "Extracting characteristics of interplanetary CMEs from database of synthetic white-light images based on ensemble MHD simulations", 2022cosp...44.2433P [ADS](#)
- DeForest, C., Gibson, S., De Koning, C. A., et al., "Expected results for the cradle of the Solar Wind with the Polarimeter to UNify the Corona and Heliosphere (PUNCH)", 2022cosp...44.1324D [ADS](#)
- DeForest, C., Gibson, S., Thompson, B., et al., "Exploring Structures and Flows with NASA's under-construction PUNCH mission", 2022cosp...44.1077D [ADS](#)
- Malanushenko, A., Cheung, M. C. M., DeForest, C. E., Klimchuk, J. A., & Rempel, M., "The Coronal Veil", 2022ApJ...927....1M [ADS](#)
- David, M., Rempel, M., & Malanushenko, A., "Analyzing the Structure of Coronal Loops in MURAM Radiation MHD Simulations", 2021AGUFMSH45B2377D [ADS](#)
- Wolff, M., Dima, G., Rempel, M., et al., "Visualizing the Solar Corona in Virtual Reality", 2021AGUFMSH45B2365W [ADS](#)
- Malanushenko, A., Egeland, R., Kazachenko, M., Rempel, M., & Tremblay, B., "A Statistical Approach to Study Spatial Characteristics of EUV Emission in Active Regions", 2021AGUFMSH45B2360M [ADS](#)
- Gibson, S., Morgan, H., Provornikova, E., et al., "Establishing flux rope chirality using white light polarization data from the PUNCH mission", 2021AGUFMSH32A..03G [ADS](#)
- Provornikova, E., Merkin, V., Malanushenko, A., et al., "Large ensemble simulations of CMEs in the inner heliosphere: toward constraining distributions of CME parameters near the Sun", 2021AGUFMSH32A..01P [ADS](#)
- Corchado-Albelo, M. F., Gibson, S. E., Linker, J., et al., "Identifying Non-potential Energy Hot Spots In A Global Coronal Simulation", 2021AAS...23832803C [ADS](#)
- McCarthy, M., Longcope, D., & Malanushenko, A., "Multi-spacecraft Observations Of Coronal Loops To Verify A Force-free Field Reconstruction And Infer Loop Cross Sections", 2021AAS...23820501M [ADS](#)
- McCarthy, M. I., Longcope, D. W., & Malanushenko, A., "Multispacecraft Observations of Coronal Loops to Verify a Force-free Field Reconstruction and Infer Loop Cross Sections", 2021ApJ...913...56M [ADS](#)
- Malanushenko, A., Gibson, S., Provornikova, E., et al., "Gibson & Low Flux Rope Model: More Than a Spheromak?", 2021cosp...43E1736M [ADS](#)
- Corchado-Albelo, M. F., Dalmasse, K., Gibson, S., Fan, Y., & Malanushenko, A., "Designing a New Coronal Magnetic Field Energy Diagnostic", 2021ApJ...907...23C [ADS](#)
- Gibson, S. E., Malanushenko, A., de Toma, G., et al., "Untangling the global coronal magnetic field with multiwavelength observations", 2020arXiv201209992G [ADS](#)
- Malanushenko, A. V., Gibson, S. E., Kucera, T. A., & McKenzie, D. E., "The Magnetic Skeleton of the Solar Corona Over Several Solar Rotations: Features, Analysis, and Community Availability", 2020AGUFMSH041..02M [ADS](#)
- Gibson, S. E., DeForest, C., de Koning, C. A., et al., "Tracking CME substructure evolution through the solar wind", 2020AGUFMSH0280005G [ADS](#)
- Provornikova, E., Merkin, V. G., Malanushenko, A. V., et al., "Ensemble modeling of interplanetary CMEs with data-constrained internal magnetic flux rope", 2020AGUFMSH0030016P [ADS](#)
- Longcope, D., McCarthy, M., & Malanushenko, A., "Localized Reconnection Heating Inferred from the Three-dimensional Locations of Bright Active Region Coronal Loops", 2020ApJ...901..147L [ADS](#)
- Malanushenko, A., Flyer, N., & Gibson, S., "Convolutional Neural Networks for Predicting the strength of the Near-Earth Magnetic Field Caused by Interplanetary Coronal Mass Ejections", 2020FrASS...7...62M [ADS](#)
- McCarthy, M. I., Longcope, D. W., Malanushenko, A., & McKenzie, D. E., "Measuring and Modeling the Rate of Separator Reconnection between an Emerging and an Existing Active Region", 2019ApJ...887..140M [ADS](#)
- Provornikova, E., Merkin, V. G., Gibson, S. E., et al., "Evolution of the geoeffective April 5, 2010 CME in the inner heliosphere: A global MHD model with a data-constrained magnetic flux rope specification.", 2019AGUFMSH42A..03P [ADS](#)
- Flyer, N., Malanushenko, A. V., & Gibson, S. E., "Convolutional Neural Networks for Predicting The Impact of Interplanetary Coronal Mass Ejections on The Near-Earth Magnetic Field", 2019AGUFMSH34B..07F [ADS](#)
- Martínez Oliveros, J. C., Pulupa, M., Malanushenko, A. V., et al., "A correlation Study of Coronal EUV Brightenings and Radio Emission Observed by Parker Solar Probe", 2019AGUFMSH13C3433M [ADS](#)
- McCarthy, M., Longcope, D. W., Malanushenko, A. V., & McKenzie, D. E., "Examination of Separator Reconnection Rates in a Series of Adjacent Emerging/Existing Active Region Pairs", 2019AGUFMSH11D3387M [ADS](#)
- Malanushenko, A. V., Gibson, S. E., Provornikova, E., et al., "Gibson & Low Flux Rope Model: More Than a Spheromak!", 2019AGUFMSH11C3397M [ADS](#)
- Cheung, M. C. M., Rempel, M., Chintzoglou, G., et al., "A comprehensive three-dimensional radiative magnetohydrodynamic simulation of a solar flare", 2019NatAs...3..160C [ADS](#)
- Cheung, M., Rempel, M. D., Chintzoglou, G., et al., "Radiative MHD Simulation of a Solar Flare", 2019AAS...23431005C [ADS](#)
- McCarthy, M., Longcope, D., Malanushenko, A., & McKenzie, D. E., "Measuring and modeling the rate of separator reconnection between an emerging and existing active region", 2019AAS...23411705M [ADS](#)
- Provornikova, E., Merkin, V., Malanushenko, A., et al., "MHD modeling of evolving ICME magnetic structure in the inner heliosphere", 2019shin.confE.230P [ADS](#)
- Malanushenko, A., Gibson, S., Dalmasse, K., et al., "Coronal Mass Ejections from Sun to Earth: Recent Advances in Modeling and Statistical Approaches", 2019shin.confE.206M [ADS](#)
- Malanushenko, A., Gibson, S., Kucera, T., & McKenzie, D., "Building a Magnetic Skeleton of the Solar Corona: Towards Better 3-D Constraints on the Coronal Magnetic Field", 2018cosp...42E2139M [ADS](#)
- Webb, D. F., Gibson, S. E., Hewins, I. M., et al., "Global Solar Magnetic Field Evolution Over 4 Solar Cycles: Use of the McIntosh Archive", 2018FrASS...5...23W [ADS](#)
- McCarthy, M., Longcope, D., McKenzie, D. E., & Malanushenko, A. V., "Measuring separator reconnection between emerging and existing active regions using extreme ultraviolet imaging observations", 2018tess.conf20545M [ADS](#)
- Malanushenko, A. V., Rempel, M., & Cheung, C. M. M., "Vector Magnetograms - From Photosphere to the Base of the Solar Corona", 2018tess.conf20234M [ADS](#)
- Hewins, I., Webb, D. F., Gibson, S. E., et al., "Studies of Global Solar Magnetic Field Patterns Using a Newly Digitized Archive", 2017AGUFMSH54A..01H [ADS](#)
- Gibson, S. E., Malanushenko, A. V., Hewins, I., et al., "The McIntosh Archive: A solar feature database spanning four solar cycles", 2016AGUFMSH11A2220G [ADS](#)
- Malanushenko, A., Rempel, M., & Cheung, M., "Distortions of Magnetic Flux Tubes in the Presence of Electric Currents", 2016SPD...47.0322M [ADS](#)
- Malanushenko, A. V., "Coronal Heating: Testing Models of Coronal Heating by Forward-Modeling the AIA Emission of the Ansample of Coronal Loops", 2015AGUFMSH31B2423M [ADS](#)
- Aschwanden, M. J., Schrijver, C. J., & Malanushenko, A., "Blind Stereoscopy of the Coronal Magnetic Field", 2015SoPh..290.2765A [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](#)
- Cheung, M. C. M., Boerner, P., Schrijver, C. J., et al., "Thermal Diagnostics with the Atmospheric Imaging Assembly on board the Solar Dynamics Observatory: A Validated Method for Differential Emission Measure Inversions", 2015ApJ...807..143C [ADS](#)
- Malanushenko, A. V. & Fan, Y., "MHD Simulations of the Evolution of the Coronal Magnetic Field: First Steps in Using the Realistic Initial State Model", 2015TESS...120312M [ADS](#)
- Valori, G., Romano, P., Malanushenko, A., et al., "Time Evolution of Force-Free Parameter and Free Magnetic Energy in Active Region NOAA 10365", 2015SoPh..290..491V [ADS](#)
- McIntosh, S. W., Wang, X., Leamon, R. J., et al., "Deciphering Solar Magnetic Activity. I. On the Relationship between the Sunspot Cycle and the Evolution of Small Magnetic Features", 2014ApJ...792..12M [ADS](#)
- DeRosa, M. L., Malanushenko, A., Schrijver, C. J., & Wheatland, M. S., "Active Region Magnetic Field Modeling Guided by Coronal Loops and Surface Fields", 2014AAS...22432319D [ADS](#)
- Malanushenko, A., Schrijver, C. J., & Van Ballegooijen, A. A., "Forward Modeling of Coronal Emission", 2014AAS...22432102M [ADS](#)
- Davey, A. R., Malanushenko, A., & McIntosh, S. W., "Active region 11748: Recurring X-class flares, large scale dimmings and waves.", 2014AAS...22421818D [ADS](#)
- Malanushenko, A., Schrijver, C. J., DeRosa, M. L., & Wheatland, M. S., "Using Coronal Loops to Reconstruct the Magnetic Field of an Active Region before and after a Major Flare", 2014ApJ...783..102M [ADS](#)
- Malanushenko, A., Schrijver, C., Wheatland, M. S., & DeRosa, M., "Using coronal loops to model the coronal magnetic field before and after major eruptive events", 2014cosp...40E1960M [ADS](#)

- Aschwanden, M. J. & Malanushenko, A., “A Nonlinear Force-Free Magnetic Field Approximation Suitable for Fast Forward-Fitting to Coronal Loops. II. Numeric Code and Tests”, 2013SoPh..287..345A [ADS](#)
- Malanushenko, A. & Schrijver, C. J., “On the Anisotropy in Expansion of Magnetic Flux Tubes in the Solar Corona”, 2013ApJ...775..120M [ADS](#)
- Malanushenko, A. & Schrijver, C. J., “On Cross-Sectional Properties of Coronal Loops”, 2013SPD....4420105M [ADS](#)
- Ofman, L., Wang, T., Malanushenko, A., & Davila, J. M., “Modeling coronal loop oscillations in realistic magnetic and density structures”, 2013SPD....44104040 [ADS](#)
- Aschwanden, M. J., Boerner, P., Schrijver, C. J., & Malanushenko, A., “Automated Temperature and Emission Measure Analysis of Coronal Loops and Active Regions Observed with the Atmospheric Imaging Assembly on the Solar Dynamics Observatory (SDO/AIA)”, 2013SoPh..283...5A [ADS](#)
- Malanushenko, A., Schrijver, C. J., DeRosa, M. L., Wheatland, M. S., & Gilchrist, S. A., “Guiding Nonlinear Force-free Modeling Using Coronal Observations: First Results Using a Quasi-Grad-Rubin Scheme”, 2012ApJ...756..153M [ADS](#)
- Aschwanden, M. J., Wuelser, J.-P., Nitta, N. V., et al., “First Three-dimensional Reconstructions of Coronal Loops with the STEREO A+B Spacecraft. IV. Magnetic Modeling with Twisted Force-free Fields”, 2012ApJ...756..124A [ADS](#)
- Malanushenko, A., Schrijver, C. J., & DeRosa, M. L., “Estimate of Energy Release In a Major Flare Using Coronal Loops Data”, 2012AA...22052115M [ADS](#)
- Aschwanden, M. J., Malanushenko, A., Wuelser, J., et al., “Force-Free Magneto-Stereoscopy of Coronal Loops”, 2012AA...22041103A [ADS](#)
- Lindsey, C. A., Donea, A., & Malanushenko, A., “Physics of Transient Seismic Emission from Flares”, 2012AA...22020409L [ADS](#)
- Malanushenko, A., DeRosa, M., Schrijver, C., Wheatland, M. S., & Gilchrist, S., “Non-Linear Force-Free Modeling of Solar Corona With The Aid of Coronal Loops”, 2012decs.confE.113M [ADS](#)
- Aschwanden, M. J., Boerner, P., Schrijver, C. J., & Malanushenko, A., “Force-free Magnetic Fields and Electric Currents inferred from Coronal Loops and Stereoscopy”, 2012decs.confE.105A [ADS](#)
- Malanushenko, A. V., DeRosa, M. L., Schrijver, C. J., Gilchrist, S. A., & Wheatland, M. S., “Non-Linear Force-Free Modeling With The Aid of Coronal Observations”, 2011AGUFMSH43B1956M [ADS](#)
- Malanushenko, A., Yusuf, M. H., & Longcope, D. W., “Direct Measurements of Magnetic Twist in the Solar Corona”, 2011ApJ...736..97M [ADS](#)
- Longcope, D., Malanushenko, A., & Tarr, L., “Computing Magnetic Energy From Aia Images And Hmi Line-of-sight Magnetograms”, 2011SPD....42.2118L [ADS](#)
- Malanushenko, A., Schrijver, C., DeRosa, M., et al., “Simulating Coronal Emission in Six AIA Channels Using Quasi-Static Atmosphere Models and Non-Linear Magnetic Field Models”, 2011SPD....42.2116M [ADS](#)
- Malanushenko, A., Longcope, D. W., McKenzie, D. E., & Yusuf, M. H., “Quantifying Separator Reconnection Between Emerging and Existing Active Regions”, 2010AA...21640507M [ADS](#)
- Malanushenko, A. V.: 2010, “Twist in coronal magnetic fields”, Ph.D. thesis, Montana State University System 2010PhDT.....68M [ADS](#)
- Malanushenko, A., Longcope, D. W., & McKenzie, D. E., “Reconstructing the Local Twist of Coronal Magnetic Fields and the Three-Dimensional Shape of the Field Lines from Coronal Loops in Extreme-Ultraviolet and X-Ray Images”, 2009ApJ...707..1044M [ADS](#)
- Malanushenko, A., Yusuf, M., & Longcope, D. W., “Measuring Coronal Magnetic Twist Injected by Photospheric Rotation”, 2009AGUFMSH23B1537M [ADS](#)
- Malanushenko, A., Longcope, D. W., Fan, Y., & Gibson, S. E., “Additive Self-helicity as a Kink Mode Threshold”, 2009ApJ...702..580M [ADS](#)
- Malanushenko, A., Longcope, D. W., & McKenzie, D. E., “Inferring Local Twist of the Coronal Magnetic Field from Coronal Loops in EUV and X-ray Images”, 2009SPD....40.2902M [ADS](#)
- McKenzie, D. E., Malanushenko, A., & Longcope, D., “Modeling the Evolving Magnetic Field in a Coronal Sigmoid”, 2009SPD....40.1203M [ADS](#)
- Longcope, D. W. & Malanushenko, A., “Defining and Calculating Self-Helicity in Coronal Magnetic Fields”, 2008ApJ...674.1130L [ADS](#)
- Malanushenko, A. & Longcope, D., “Quantifying The Self-helicity Of A Flux Tube”, 2007AA...210..9110M [ADS](#)
- Malanushenko, A. V., Longcope, D., Aver, E., & Kankelborg, C., “Quantifying The Relationship Between Reconnection Rate And Energy Release In A Survey Of Coronal Bright Points”, 2006SPD....37.1001M [ADS](#)
- Leibacher, J. W., Braun, D., González Hernández, I., et al., “The GONG Farside Project”, 2005AGUSMSP11B..14L [ADS](#)
- Goodrich, J. N., Kholikov, S., Lindsey, C., et al., “Remote distributed pipeline processing of GONG helioseismic data: experience and lessons learned”, 2004SPIE.5493..538G [ADS](#)
- Malanushenko, A., Braun, D., Kholikov, S., Leibacher, J., & Lindsey, C., “Acoustic Holographic Studies of Solar Active Regions”, 2004IAUS..223..283M [ADS](#)