

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

- Mandal, S., Chitta, L. P., Antolin, P., et al., “What drives decayless kink oscillations in active region coronal loops on the Sun?”, 2022arXiv220904251M ADS
- Zhong, S., Nakariakov, V. M., Kolotkov, D. Y., Verbeeck, C., & Berghmans, D., “Two-Spacecraft Detection of Short-period Decayless Kink Oscillations of Solar Coronal Loops”, 2022arXiv220901917Z ADS
- Bemporad, A., Andretta, V., Susino, R., et al., “Coronal mass ejection followed by a prominence eruption and a plasma blob as observed by Solar Orbiter”, 2022A&A...665A...7B ADS
- West, M. J., Seaton, D. B., Wexler, D. B., et al., “Defining the Middle Corona”, 2022arXiv220804485W ADS
- Mandal, S., Chitta, L. P., Peter, H., et al., “A highly dynamic small-scale jet in a polar coronal hole”, 2022A&A...664A...28M ADS
- Panesar, N. K., Zhukov, A., Berghmans, D., et al., “The Magnetic Origin of Solar Campfires: Observations by Solar Orbiter and SDO”, 2022cosp...44.2564P ADS
- Chen, Y., Peter, H., Berghmans, D., et al., “Transient small-scale brightenings in the quiet solar corona: a model for campfires observed with Solar Orbiter”, 2022cosp...44.2557C ADS
- Hou, Z., He, J., Berghmans, D., et al., “Coronal Microjets in Quiet-sun Regions Observed with the Extreme Ultraviolet Imager Onboard Solar Orbiter”, 2022cosp...44.2536H ADS
- Tiwari, S. K., Berghmans, D., De Pontieu, B., Hansteen, V., & Panesar, N. K., “Fine-scale, Dot-like, Brightenings in an Emerging Flux Region: SolO/EUI Observations, and Bifrost MHD Simulations”, 2022cosp...44.2529T ADS
- Dominique, M., Harra, L. K., Watanabe, K., et al., “How Can Solar-C/SOSPIM Contribute to the Understanding of Quasi-Periodic Pulsations in Solar Flares?”, 2022cosp...44.2524D ADS
- Hassler, D. M., Harra, L. K., Gibson, S., et al., “The Solaris Solar Polar MHD-Class Mission Concept: Revealing the Mysteries of the Sun’s Poles”, 2022cosp...44.1528H ADS
- Niembro, T., Reeves, K., Berghmans, D., et al., “Following prominences eruption from Sun to Parker Solar Probe with multi-spacecraft observations”, 2022cosp...44.1464N ADS
- Petrova, E., Berghmans, D., van Doorselaere, T., & Magyar, N., “High frequency oscillations in Solar Orbiter/EUI observations”, 2022cosp...44.1348P ADS
- Peter, H., Berghmans, D., & Chitta, L. P., “Small-scale coronal brightenings as seen by Solar Orbiter”, 2022cosp...44.1323P ADS
- Harra, L. K., Watanabe, K., Haberreiter, M., et al., “A spectral solar irradiance monitor (SoSpIM) on the JAXA Solar-C (EUVST) space mission”, 2022cosp...44.834H ADS
- Alipour, N., Safari, H., Verbeeck, C., et al., “Automatic detection of small-scale EUV brightenings observed by the Solar Orbiter/EUI”, 2022A&A...663A.128A ADS
- Telloni, D., Zank, G. P., Stangalini, M., et al., “Observation of Magnetic Switch-back in the Solar Corona”, 2022arXiv220603090T ADS
- Mierla, M., Zhukov, A. N., Berghmans, D., et al., “Prominence eruption observed in He II 304 Å up to $>6 R_{\odot}$ by EUI/FSI aboard Solar Orbiter”, 2022A&A...662L...5M ADS
- Petrova, E., Magyar, N., Van Doorselaere, T., & Berghmans, D., “High frequency decayless waves with significant energy in Solar Orbiter/EUI observations”, 2022arXiv220505319P ADS
- Tiwari, S. K., Hansteen, V. H., De Pontieu, B., Panesar, N. K., & Berghmans, D., “SolO/EUI Observations of Ubiquitous Fine-scale Bright Dots in an Emerging Flux Region: Comparison with a Bifrost MHD Simulation”, 2022ApJ...929...103T ADS
- Kahil, F., Hirzberger, J., Solanki, S. K., et al., “The magnetic drivers of campfires seen by the Polarimetric and Helioseismic Imager (PHI) on Solar Orbiter”, 2022A&A...660A.143K ADS
- Rodríguez, L., Barnes, D., Hostenaux, S., et al., “Comparing the Heliospheric Cataloging, Analysis, and Techniques Service (HELCATS) Manual and Automatic Catalogues of Coronal Mass Ejections Using Solar Terrestrial Relations Observatory/Heliospheric Imager (STEREO/HI) Data”, 2022SoPh...297...23R ADS
- Dominique, M., Dolla, L., Zhukov, A., et al., “How Can Solar-C/SOSPIM Contribute to the Understanding of Quasi-Periodic Pulsations in Solar Flares?”, 2021AGUFMESH25E2124D ADS
- Zhukov, A., Mierla, M., Auchère, F., et al., “Stereoscopy of extreme UV quiet Sun brightenings observed by Solar Orbiter/EUI”, 2021AGUFMESH21A...03Z ADS
- Berghmans, D., Auchère, F., Zhukov, A., et al., “Campfires observed by EUI: What have we learned so far?”, 2021AGUFMESH21A...02B ADS
- West, M., Seaton, D., D’Huys, E., et al., “SWAP and the Middle Corona”, 2021AGUFMESH15D2053W ADS
- Podladchikova, O., Harra, L., Barczynski, K., et al., “Full Vector Velocity Reconstruction Using Solar Orbiter Doppler Map Observations”, 2021AGUFMNG35B0432P ADS
- Mandal, S., Peter, H., Chitta, L. P., et al., “Propagating brightenings in small loop-like structures in the quiet-Sun corona: Observations from Solar Orbiter/EUI”, 2021A&A...656L...16M ADS
- Andretta, V., Bemporad, A., De Leo, Y., et al., “The first coronal mass ejection observed in both visible-light and UV H I Ly- α channels of the Metis coronagraph on board Solar Orbiter”, 2021A&A...656L...14A ADS
- Chitta, L. P., Solanki, S. K., Peter, H., et al., “Capturing transient plasma flows and jets in the solar corona”, 2021A&A...656L...13C ADS
- Aran, A., Pacheco, D., Laurenza, M., et al., “Evidence for local particle acceleration in the first recurrent galactic cosmic ray depression observed by Solar Orbiter. The ion event on 19 June 2020”, 2021A&A...656L...10A ADS
- Chen, Y., Przybylski, D., Peter, H., et al., “Transient small-scale brightenings in the quiet solar corona: A model for campfires observed with Solar Orbiter”, 2021A&A...656L...7C ADS
- Berghmans, D., Auchère, F., Long, D. M., et al., “Extreme-UV quiet Sun brightenings observed by the Solar Orbiter/EUI”, 2021A&A...656L...4B ADS
- Zhukov, A. N., Mierla, M., Auchère, F., et al., “Stereoscopy of extreme UV quiet Sun brightenings observed by Solar Orbiter/EUI”, 2021A&A...656A...35Z ADS
- Panesar, N. K., Tiwari, S. K., Berghmans, D., et al., “The Magnetic Origin of Solar Campfires”, 2021ApJ...921L...20P ADS
- Podladchikova, O., Harra, L., Barczynski, K., et al., “Stereoscopic measurements of coronal Doppler velocities”, 2021A&A...655A...57P ADS
- Hou, Z., Tian, H., Berghmans, D., et al., “Coronal Microjets in Quiet-Sun Regions Observed with the Extreme Ultraviolet Imager on Board the Solar Orbiter”, 2021ApJ...918L...20H ADS
- Peter, H., Ballester, E. A., Andretta, V., et al., “Magnetic imaging of the outer solar atmosphere (MmOSA)”, 2021ExA...tmp...95P ADS
- Podladchikova, O., Harra, L., Barczynski, K., et al., “Vector Velocities Measurements with the Solar Orbiter SPICE Spectrometer”, 2021AAS...23831312P ADS
- Horbury, T. S., Laker, R., Rodríguez, L., et al., “Signatures of coronal hole substructure in the solar wind: combined Solar Orbiter remote sensing and in situ measurements”, 2021arXiv210414960H ADS
- Berghmans, D., Harra, L. K., Zhukov, A., et al., “The Extreme ultraviolet imager onboard Solar Orbiter”, 2021cosp...43E.949B ADS
- Peter, H., Alsina Ballester, E., Andretta, V., et al., “Magnetic Imaging of the Outer Solar Atmosphere (MmOSA): Unlocking the driver of the dynamics in the upper solar atmosphere”, 2021arXiv210101566P ADS
- Horbury, T. S., Auchère, F., Antonucci, E., et al., “Solar Orbiter: connecting remote sensing and in situ measurements”, 2020AGUFMESH038...10H ADS
- Parenti, S., Berghmans, D., Buchlin, E., et al., “Observation of Smallest Ever Detected Brightening Events with the Solar Orbiter EUI HRI-EUV Imager”, 2020AGUFMESH038...01P ADS
- Aznar Cuadrado, R., Berghmans, D., Teriaca, L., et al., “Very high-resolution observations of the solar atmosphere in H I Lyman alpha and Fe IX-X at 17.4 nm as seen by EUI aboard Solar Orbiter”, 2020AGUFMESH0360026A ADS
- Auchère, F., Gissot, S., Teriaca, L., et al., “First Images and Initial In-Flight Performance of the Extreme Ultraviolet Imager On-Board Solar Orbiter”, 2020AGUFMESH0360025A ADS
- Buchlin, E., Teriaca, L., Giunta, A. S., et al., “First results from the EUI and SPICE observations of Alpha Leo near Solar Orbiter first perihelion”, 2020AGUFMESH0360024B ADS
- Teriaca, L., Aznar Cuadrado, R., Giunta, A. S., et al., “First results from combined EUI and SPICE observations of Lyman lines of Hydrogen and He II”, 2020AGUFMESH0360003T ADS
- Müller, D., Nicula, B., Verstringe, F., et al., “3D Visualisation of Solar Data with JHelioviewer”, 2020AGUFMESH0360001M ADS
- West, M. J., Mierla, M., Janssens, J., et al., “Long-term Evolution of the Solar Corona Using PROBA2 Data”, 2020AGUFMESH0300011W ADS
- West, M. J., Kintziger, C., Haberreiter, M., et al., “The LUCI instrument”, 2020AGUFMESH0300007W ADS
- Rochus, P., Auchère, F., Berghmans, D., et al., “The Solar Orbiter EUI instrument: The Extreme Ultraviolet Imager”, 2020A&A...642A...8R ADS
- Auchère, F., Andretta, V., Antonucci, E., et al., “Coordination within the remote sensing payload on the Solar Orbiter mission”, 2020A&A...642A...6A ADS
- Velli, M., Harra, L. K., Vourlidas, A., et al., “Understanding the origins of the heliosphere: integrating observations and measurements from Parker Solar Probe, Solar Orbiter, and other space- and ground-based observatories”, 2020A&A...642A...4V ADS
- Zouganelis, I., De Groof, A., Walsh, A. P., et al., “The Solar Orbiter Science Activity Plan. Translating solar and heliospheric physics questions into action”, 2020A&A...642A...3Z ADS

- Rouillard, A. P., Pinto, R. F., Vourlidas, A., et al., “Models and data analysis tools for the Solar Orbiter mission”, 2020A&A...642A...2R ADS
- Müller, D., St. Cyr, O. C., Zouganelis, I., et al., “The Solar Orbiter mission. Science overview”, 2020A&A...642A...1M ADS
- West, M. J., Kintzger, C., Haberreiter, M., et al., “LUCI onboard Lagrange, the next generation of EUV space weather monitoring”, 2020JWSC...10...49W ADS
- Mierla, M., Janssens, J., D’Huys, E., et al., “Long-Term Evolution of the Solar Corona Using PROBA2 Data”, 2020SoPh...295...66M ADS
- Hassler, D. M., Newmark, J., Gibson, S., et al., “The Solaris Solar Polar Mission”, 2020EGUGA...2217703H ADS
- Rochus, P. L., Auchere, F., Berghmans, D., et al., “The Solar Orbiter EUV instrument: The Extreme Ultraviolet Imager”, 2019AGUFMSH21D3291R ADS
- Berghmans, D., D’Huys, E., Zhukov, A., & Auchere, F., “From PROBA2/SWAP to Solar Orbiter/EUI: exploring the outer edge of the EUV corona.”, 2019AGUFMSH13A...01B ADS
- Harri, A. M., Kauristie, K., Andries, J., et al., “PECASUS, European Space Weather Service Network for Aviation”, 2019AGUFMSA33D3168H ADS
- Opgenoorth, H. J., Wimmer-Schweingruber, R. F., Belhaki, A., et al., “Assessment and recommendations for a consolidated European approach to space weather - as part of a global space weather effort”, 2019JWSC...9A...370 ADS
- Mierla, M., D’Huys, E., Seaton, D. B., et al., “Long-term evolution of the solar corona using SWAP data”, 2018csc...confE...78M ADS
- Berghmans, D., Rochus, P., Auchère, F., et al., “The EUI instrument onboard Solar Orbiter: the EUV corona imaged differently”, 2018csc...confE...73B ADS
- West, M., Berghmans, D., Müller, D., et al., “Space Weather JHelioviewer in a Heterogeneous World”, 2018cosp...42E3643W ADS
- Halain, J. P., Renotte, E., Auchère, F., et al., “The EUI flight instrument of Solar Orbiter: from optical alignment to end-to-end calibration”, 2018SPIE10699E...0HH ADS
- Katsiyannis, A. C., Dominique, M., Pierrard, V., et al., “The detection of ultra-relativistic electrons in low Earth orbit”, 2018JWSC...8A...1K ADS
- Müller, D., Nicula, B., Felix, S., et al., “3D Visualization of Solar Data: Preparing for Solar Orbiter and Parker Solar Probe”, 2017AGUFMSH23D2686M ADS
- Halain, J. P., Berghmans, D., Defise, J. F., et al., “Performances of swap on-board PROBA-2”, 2017SPIE10565E...0SH ADS
- Halain, J. P., Mazzoli, A., Rochus, P., et al., “EUV high resolution imager on-board solar orbiter: optical design and detector performances”, 2017SPIE10564E...3VH ADS
- Müller, D., Nicula, B., Felix, S., et al., “JHelioviewer: Time-dependent 3D visualisation of solar and heliospheric data”, 2017A&A...606A...10M ADS
- Stankov, S. M., Bergeot, N., Berghmans, D., et al., “Multi-instrument observations of the solar eclipse on 20 March 2015 and its effects on the ionosphere over Belgium and Europe”, 2017JWSC...7A...19S ADS
- Kruglanski, M., Devos, A., Calders, S., et al., “Provision of space weather bulletins in support to ESA missions”, 2017EGUGA...1918071K ADS
- D’Huys, E., Seaton, D. B., De Groof, A., Berghmans, D., & Poedts, S., “Solar signatures and eruption mechanism of the August 14, 2010 coronal mass ejection (CME)”, 2017JWSC...7A...7D ADS
- Katsiyannis, A. C., Dominique, M., Pierrard, V., et al., “The discovery of an electron current at Earth’s Mclwain L=6”, 2016usc...confE...44K ADS
- Halain, J. P., Rochus, P., Renotte, E., et al., “The qualification campaign of the EUI instrument of Solar Orbiter”, 2016SPIE.9905E...2XH ADS
- D’Huys, E., Berghmans, D., Seaton, D. B., & Poedts, S., “The Effect of Limited Sample Sizes on the Accuracy of the Estimated Scaling Parameter for Power-Law-Distributed Solar Data”, 2016SoPh...291.1561D ADS
- D’Huys, E., Seaton, D. B., Poedts, S., & Berghmans, D., “Observing the Unobservable: Identification and Characterisation of Stealth Coronal Mass Ejections”, 2016SPD...4740401D ADS
- Slemzin, V., Ulyanov, A., Gaikovich, K., et al., “Validation of Earth atmosphere models using solar EUV observations from the CORONAS and PROBA2 satellites in occultation mode”, 2016JWSC...6A...7S ADS
- Katsiyannis, A., Dominique, M., De Keyser, J., et al., “Detection of EUV/Soft X-ray bremsstrahlung emission at terrestrial altitudes above 750 km”, 2015AGUFMSM41F2560K ADS
- Katsiyannis, A., Dominique, M., Seaton, D. B., et al., “PROBA2: a Micro-Satellite Observing the Sun”, 2015AGUFMSH21B2415K ADS
- Halain, J. P., Rochus, P., Renotte, E., et al., “The extreme UV imager telescope on-board the Solar Orbiter mission: overview of phase C and D”, 2015SPIE.9604E...0GH ADS
- De Groof, A., Seaton, D. B., Rachmeler, L., & Berghmans, D., “PROBA2/SWAP EUV images of the large-scale EUV corona up to 3 solar radii: Can we close the gap in coronal magnetic field structure between 1.3 and 2.5 solar radii?”, 2015TESS...140901D ADS
- Müller, D., Felix, S., Meier, S., et al., “3D Visualization of Solar Data: Preparing for Solar Orbiter and Solar Probe Plus”, 2014AGUFMSH21B4098M ADS
- D’Huys, E., Seaton, D. B., Poedts, S., & Berghmans, D., “Observational Characteristics of Coronal Mass Ejections without Low-coronal Signatures”, 2014ApJ...795...49D ADS
- Halain, J. P., Rochus, P., Renotte, E., et al., “The extreme UV imager of solar orbiter: from detailed design to flight model”, 2014SPIE.9144E...08H ADS
- West, M., Berghmans, D., & Seaton, D., “The SWAP EUV imager onboard PROBA2: 3 years of observations”, 2014cosp...40E3622W ADS
- Verbeeck, C., Stegen, K., Berghmans, D., et al., “The EUI Data Center at the Royal Observatory of Belgium: challenges and solutions”, 2014cosp...40E3498V ADS
- Slemzin, V., Kuzin, S., Berghmans, D., et al., “Validation of the Earth atmosphere models using the EUV solar occultation data from the CORONAS and PROBA 2 instruments”, 2014cosp...40E3125S ADS
- BenMoussa, A., Gissot, S., Schühle, U., et al., “On-Orbit Degradation of Solar Instruments”, 2013SoPh...288...389B ADS
- Seaton, D. B., De Groof, A., Shearer, P., Berghmans, D., & Nicula, B., “SWAP Observations of the Long-term, Large-scale Evolution of the Extreme-ultraviolet Solar Corona”, 2013ApJ...777...72S ADS
- Mierla, M., Seaton, D. B., Berghmans, D., et al., “Study of a Prominence Eruption using PROBA2/SWAP and STEREO/EUVI Data”, 2013SoPh...286...241M ADS
- Kienreich, I. W., Muhr, N., Veronig, A. M., et al., “Solar Terrestrial Relations Observatory-A (STEREO-A) and PProject for On-Board Autonomy 2 (PROBA2) Quadrature Observations of Reflections of Three EUV Waves from a Coronal Hole”, 2013SoPh...286...201K ADS
- Bonte, K., Berghmans, D., De Groof, A., Steed, K., & Poedts, S., “So-FAST: Automated Flare Detection with the PROBA2/SWAP EUV Imager”, 2013SoPh...286...185B ADS
- Slemzin, V., Harra, L., Urnov, A., et al., “Signatures of Slow Solar Wind Streams from Active Regions in the Inner Corona”, 2013SoPh...286...157S ADS
- Raftery, C. L., Bloomfield, D. S., Gallagher, P. T., et al., “Temperature Response of the 171 Å Passband of the SWAP Imager on PROBA2, with a Comparison to TRACE, SOHO, STEREO, and SDO”, 2013SoPh...286...111R ADS
- Zender, J., Berghmans, D., Bloomfield, D. S., et al., “The Projects for Onboard Autonomy (PROBA2) Science Centre: Sun Watcher Using APS Detectors and Image Processing (SWAP) and Large-Yield Radiometer (LYRA) Science Operations and Data Products”, 2013SoPh...286...93Z ADS
- Halain, J. P., Berghmans, D., Seaton, D. B., et al., “The SWAP EUV Imaging Telescope. Part II: In-flight Performance and Calibration”, 2013SoPh...286...67H ADS
- Seaton, D. B., Berghmans, D., Nicula, B., et al., “The SWAP EUV Imaging Telescope Part I: Instrument Overview and Pre-Flight Testing”, 2013SoPh...286...43S ADS
- Berghmans, D., De Groof, A., Dominique, M., Hochedez, J. F., & Leibacher, J. W., “Preface”, 2013SoPh...286...1B ADS
- West, M., Seaton, D., Dominique, M., et al., “Space Weather and Particle Effects on the Orbital Environment of PROBA2”, 2013EGUGA...1510865W ADS
- West, M. J., Dolla, L., Marque, C., et al., “Quasi-Periodic Pulsations during the onset of solar flares: multi-instrumental comparison”, 2013ens.confE...82W ADS
- Halain, J. P., Rochus, P., Renotte, E., et al., “The EUI instrument on board the Solar Orbiter mission: from breadboard and prototypes to instrument model validation”, 2012SPIE.8443E...07H ADS
- Koutchmy, S., Bazin, C., Berghmans, D., et al., “Plasmoid Ejection at a Solar Total Eclipse”, 2012EAS...55...223K ADS
- Kienreich, I. W., Muhr, N., Veronig, A., et al., “STEREO-A and PROBA2 Quadrature Observations of Reflections of three EUV Waves from a Coronal Hole”, 2012arXiv1204.6472K ADS
- Bentley, R. D., Berghmans, D., & Csillaghy, A., “A Collaborative Research Environment for Heliophysics”, 2012EGUGA...1412873B ADS
- Dolla, L., Marque, C., Seaton, D. B., et al., “Time Delays in Quasi-periodic Pulsations Observed during the X2.2 Solar Flare on 2011 February 15”, 2012ApJ...749L...16D ADS
- Kumara, S. T., Kariyappa, R., Dominique, M., et al., “Preliminary Results on Irradiance Measurements from Lyra and Swap”, 2012AdAst2012E...5K ADS
- Shugay, Y. S., Veselovsky, I. S., Seaton, D. B., & Berghmans, D., “Hierarchical approach to forecasting recurrent solar wind streams”, 2011SoSyR...45...546S ADS
- Dominique, M., Berghmans, D., Schmutz, W. K., et al., “LYRA and SWAP, the two Solar Instruments on-board PROBA2”, 2011AGUFMSH13B1949D ADS
- Van Doorslaere, T., De Groof, A., Zender, J., Berghmans, D., & Goossens, M., “LYRA Observations of Two Oscillation Modes in a Single Flare”, 2011ApJ...740...90V ADS

- Bonte, K., Jacobs, C., Robbrecht, E., et al., "Validation of CME Detection Software (CACTUS) by Means of Simulated Data, and Analysis of Projection Effects on CME Velocity Measurements", 2011SoPh. .270. .253B ADS
- Seaton, D. B., Mierla, M., Berghmans, D., Zhukov, A. N., & Dolla, L., "SWAP-SECCHI Observations of a Mass-loading Type Solar Eruption", 2011ApJ. .727L. .105 ADS
- Halain, J.-P., Rochus, P., Appourchaux, T., et al., "The technical challenges of the Solar-Orbiter EUV instrument", 2010SPIE.7732E. .0RH ADS
- Halain, J.-P., Berghmans, D., Defise, J.-M., et al., "First light of SWAP on-board PROBA2", 2010SPIE.7732E. .0PH ADS
- Katsiyannis, A. C., Berghmans, D., & Swap Consortium, "SWAP: An EUV Imager for Solar Monitoring on Board of the PROBA2 Micro-Satellite", 2010ASPC. .424. .104K ADS
- van der Linden, R., Ben Moussa, A., Berghmans, D., et al., "Space Weather data and services at SIDC/RWC Belgium", 2010cosp. .38.4202V ADS
- Berghmans, D. & Hochedez, J.-F., "Solar observations from PROBA2: ready for space weather operations", 2010cosp. .38.4184B ADS
- Mierla, M., Inhester, B., Marqué, C., et al., "On 3D Reconstruction of Coronal Mass Ejections: I. Method Description and Application to SECCHI-COR Data", 2009SoPh. .259. .123M ADS
- Mierla, M., Inhester, B., Marqué, C., et al., "On 3D Reconstruction of Coronal Mass Ejections using SECCHI-COR Data", 2009EGUGA. .11.1145M ADS
- Robbrecht, E., Berghmans, D., & Van der Linden, R. A. M., "Automated LASCO CME Catalog for Solar Cycle 23: Are CMEs Scale Invariant?", 2009ApJ. .691.1222R ADS
- Berghmans, D., "Meeting contribution: The history of the Sunspot Index", 2008JBAA. .118. .348B ADS
- de Groof, A., Berghmans, D., Defise, J. M., Nicula, B., & Schuehle, U., "SWAP onboard PROBA2: An Innovative EUV Imager Designed for Space Weather", 2008ESPM. .122.116D ADS
- Clette, F., Berghmans, D., Vanlommel, P., et al., "Du nombre de Wolf à l'indice international des taches solaires: 25 ans de SIDC (2^e partie)", 2008C&T. .124. .98C ADS
- Clette, F., Berghmans, D., Vanlommel, P., et al., "Du nombre de Wolf à l'indice international des taches solaires: 25 ans de SIDC (1^e partie)", 2008C&T. .124. .66C ADS
- De Groof, A., Berghmans, D., Nicula, B., et al., "CMOS-APS Detectors for Solar Physics: Lessons Learned during the SWAP Preflight Calibration", 2008SoPh. .249. .147D ADS
- Nicula, B., Marqué, C., & Berghmans, D., "Visualization of Distributed Solar Data and Metadata with the Solar Weather Browser", 2008SoPh. .248. .225N ADS
- Defise, J.-M., Halain, J.-P., Berghmans, D., et al., "SWAP: a novel EUV telescope for space weather", 2007SPIE.6689E. .0SD ADS
- Schrijver, C. J., Hurlburt, N. E., Cheung, M. C., et al., "Helioinformatics: Preparing For The Future Of Heliophysics Research.", 2007AAS. .210.2514S ADS
- Clette, F., Berghmans, D., Vanlommel, P., et al., "From the Wolf number to the International Sunspot Index: 25 years of SIDC", 2007AdSpR. .40. .919C ADS
- Lawrence, G., Kretzschmar, M., Berghmans, D., et al., "Current and future space weather services and products from the SIDC- Brussels", 2006AGUFMSA51A. .04L ADS
- Robbrecht, E. & Berghmans, D., "A Broad Perspective on Automated CME Tracking: Towards Higher Level Space Weather Forecasting", 2006GMS. .165. .33R ADS
- Robbrecht, E. & Berghmans, D., "A broad Perspective on Automated CME Tracking: towards higher level space weather forecasting", 2006GMS. .165. .R ADS
- Katsiyannis, A. C., Berghmans, D., Nicula, B., et al., "SWAP: An EUV imager for solar monitoring on board of PROBA2", 2006AIPC. .848. .847K ADS
- Robbrecht, E., Berghmans, D., & van der Linden, R. A. M., "A Complete LASCO CME-Catalog based on Automated Detection", 2006cosp. .36.3564R ADS
- Hochedez, J. F., Berghmans, D., & Defise, J. M., "LYRA and SWAP aboard PROBA2 - heralding future solar VUV observations", 2006cosp. .36.3272H ADS
- Berghmans, D., van der Linden, R. A. M., Vanlommel, P., Clette, F., & Robbrecht, E., "History of the Sunspot Index: 25 years SIDC", 2006BGGKP. .7. .288B ADS
- Berghmans, D., Hochedez, J. F., Defise, J. M., et al., "SWAP onboard PROBA 2, a new EUV imager for solar monitoring", 2006AdSpR. .38.1807B ADS
- Robbrecht, E., Berghmans, D., & van der Linden, R. A. M., "Objective CME detection over the solar cycle: A first attempt", 2006AdSpR. .38. .475R ADS
- Hochedez, J. F., Schmutz, W., Stockman, Y., et al., "LYRA, a solar UV radiometer on Proba2", 2006AdSpR. .37. .303H ADS
- Katsiyannis, A. C., Berghmans, D., Nicula, B., et al., "Swap: AN EUV Imager for Solar Monitoring on Board of PROBA2", 2005ESASP.596E. .70K ADS
- Hochedez, J. F., Zhukov, A., Robbrecht, E., et al., "Solar weather monitoring", 2005AnGeo. .23.3149H ADS
- Berghmans, D., van der Linden, R. A. M., Vanlommel, P., et al., "Solar activity: nowcasting and forecasting at the SIDC", 2005AnGeo. .23.3115B ADS
- de Groof, A., Bastiaensen, C., Müller, D. A. N., Berghmans, D., & Poedts, S., "Detailed comparison of downflows seen both in EIT 30.4 nm and Big Bear Ha movies", 2005A&A. .443. .319D ADS
- Podladchikova, O. & Berghmans, D., "Energetic Dynamics of EIT Wave Structure Analyzed by EIT Wave Detector", 2005ESASP.592. .751P ADS
- Lawrence, G., Berghmans, D., Hochedez, J. F., et al., "Space Weather with ESA's PROBA2 Mission", 2005ESASP.592. .685L ADS
- Podladchikova, O. & Berghmans, D., "Interaction of EIT Wave With Active Regions on the Sun", 2005ESASP.592. .535P ADS
- Katsiyannis, A. C., Berghmans, D., Hochedez, J.-F., et al., "SWAP: an EUV imager for solar monitoring on board of PROBA2", 2005SPIE.5901. .236K ADS
- Podladchikova, O. & Berghmans, D., "Automated Detection Of Eit Waves And Dimmings", 2005SoPh. .228. .265P ADS
- Nicula, B., Berghmans, D., & Hochedez, J.-F., "Poisson Recoding Of Solar Images For Enhanced Compression", 2005SoPh. .228. .253N ADS
- Robbrecht, E. & Berghmans, D., "Entering The Era Of Automated Cme Recognition: A Review Of Existing Tools", 2005SoPh. .228. .239R ADS
- Gallagher, P., Berghmans, D., & Aschwanden, M., "Foreword", 2005SoPh. .228. .1G ADS
- Vanlommel, P., Cugnon, P., Linden, R. A. M. V. D., Berghmans, D., & Clette, F., "The Sidc: World Data Center for the Sunspot Index", 2004SoPh. .224. .113V ADS
- Robbrecht, E. & Berghmans, D., "Automated recognition of coronal mass ejections (CMEs) in near-real-time data", 2004A&A. .425.1097R ADS
- Defise, J.-M., Lecat, J.-H., Mazy, E., et al., "SWAP: Sun watcher with a new EUV telescope on a technology demonstration platform", 2004ESASP.554. .257D ADS
- De Groof, A., Berghmans, D., van Driel-Gesztelyi, L., & Poedts, S., "Intensity variations in EIT shutterless mode: Waves or flows?", 2004A&A. .415.1141D ADS
- Defise, J.-M., Berghmans, D., Hochedez, J.-F. E., et al., "SWAP: Sun watcher using APS detector on-board PROBA-2, a new EUV off-axis telescope on a technology demonstration platform", 2004SPIE.5171. .143D ADS
- Rochus, P. L., Defise, J.-M., Halain, J.-P., et al., "MAGRITTE: an instrument suite for the solar atmospheric imaging assembly (AIA) aboard the Solar Dynamics Observatory", 2004SPIE.5171. .53R ADS
- van der Linden, R. A. M., Berghmans, D., Vanlommel, P., et al., "The expanding space weather services of the SIDC at the Royal Observatory of Belgium", 2004cosp. .35.2781V ADS
- Berghmans, D. & Swap Consortium, "SWAP onboard PROBA-2, a new EUV imager for solar monitoring", 2004cosp. .35.2747B ADS
- Robbrecht, E. & Berghmans, D., "Objective CME detection over the solar cycle", 2004cosp. .35.2702R ADS
- de Groof, A., Berghmans, D., van Driel-Gesztelyi, L., & Poedts, S., "Intensity Variations in EIT Shutterless Mode: Waves or Flows?", 2004ESASP.547. .245D ADS
- Gissot, S. F., Hochedez, J. F., Dibos, F., et al., "Extracting the apparent motion from two successive EIT images", 2003ESASP.535. .853G ADS
- Clette, F., Cugnon, P., Berghmans, D., van der Linden, R., & Wauters, L., "The new instrumentation of the SIDC/Uccle station", 2002ESASP.506. .935C ADS
- Berghmans, D., "Getting hot by nanoflares", 2002ESASP.506. .501B ADS
- Clette, F., van der Linden, R., Cugnon, P., et al., "The Solar Influences Data Analysis Center: current status of expanding activities", 2002ESASP.506. .125C ADS
- Berghmans, D., "Automated detection of CMEs", 2002ESASP.506. .85B ADS
- Rochus, P., Defise, J. M., Halain, J. P., et al., "MAGRITTE / SPECTRE : the Solar Atmospheric Imaging Assembly (AIA) aboard the Solar Dynamics Observatory", 2002AGUFMSH21C. .05R ADS
- Berghmans, D., Foing, B. H., & Fleck, B., "Automated detection of CMEs in LASCO data", 2002ESASP.508. .437B ADS
- Glover, A., Daly, E., Hilgers, A., & Berghmans, D., "Space weather", 2002EuRv. .10. .249G ADS
- Berghmans, D., Clette, F., Cugnon, P., et al., "The solar influences data analysis centre", 2002JASTP. .64. .757B ADS
- Hochedez, J. F., Jacques, L., Verwichte, E., et al., "Multiscale activity observed by EIT/SoHO", 2002ESASP.477. .115H ADS
- Verwichte, E., Nakariakov, V. M., Berghmans, D., & Hochedez, J. F., "Slow magneto-acoustic waves in coronal loops", 2001ESASP.493. .395V ADS
- Robbrecht, E., Verwichte, E., Berghmans, D., et al., "Slow magnetoacoustic waves in coronal loops: EIT and TRACE", 2001A&A. .370. .591R ADS
- Berghmans, D., McKenzie, D., & Clette, F., "Active region transient brightenings. A simultaneous view by SXT, EIT and TRACE", 2001A&A. .369. .291B ADS

- Hochedez, J. F., Clette, F., Verwichte, E., Berghmans, D., & Cugnon, P., “*Long Term Variations in the Extreme UV Corona: the EIT/SOHO perspective*”, 2001IAUS..203..501H [ADS](#)
- Robbrecht, E., Verwichte, E., Berghmans, D., Hochedez, J. F., & Poedts, S., “*Slow magnetoacoustic waves in coronal loops: EIT vs TRACE*”, 2000AIPC..537..271R [ADS](#)
- Berghmans, D. & McKenzie, D., “*Observations of solar wave/instability phenomena as imaged by EIT/SOHO, TRACE and Yohkoh/SXT*”, 2000AIPC..537..168B [ADS](#)
- Nakariakov, V. M., Verwichte, E., Berghmans, D., & Robbrecht, E., “*Slow magnetoacoustic waves in coronal loops*”, 2000A&A...362.1151N [ADS](#)
- Hochedez, J. F., Clette, F., Verwichte, E., Berghmans, D., & Cugnon, P., “*Mid-Term Variations in the Extreme UV Corona: the EIT/SOHO Perspective*”, 2000ESASP.463..79H [ADS](#)
- Berghmans, D., Clette, F., Robbrecht, E., & McKenzie, D., “*Multi-Imager Study of Transients and Propagating Disturbances in Active Region Loops (SOHO JOP80 Campaign)*”, 1999ESASP.448..575B [ADS](#)
- Robbrecht, E., Berghmans, D., Nakariakov, V., & Poedts, S., “*Slow Magnetoacoustic Waves in Coronal Loops?*”, 1999ESASP.446..575R [ADS](#)
- Berghmans, D., McKenzie, D., & Clette, F., “*Active Region Transient Brightenings : EIT Versus SXT*”, 1999ESASP.446..173B [ADS](#)
- Clette, F. & Berghmans, D., “*EIT Micro-Variability Studies : Preliminary Results from the SOHO JOP 80 Campaign*”, 1999ASPC..184..217C [ADS](#)
- Berghmans, D. & Clette, F., “*Active region EUV transient brightenings - First Results by EIT of SOHO JOP 80*”, 1999SoPh..186..207B [ADS](#)
- Berghmans, D., Clette, F., & Moses, D., “*Quiet Sun EUV transient brightenings and turbulence. A panoramic view by EIT on board SOHO*”, 1998A&A...336.1039B [ADS](#)
- Berghmans, D., Clette, F., & Moses, D., “*Quiet Sun EUV Transient Brightenings and Turbulence*”, 1998ESASP.417..229B [ADS](#)
- Clette, F. & Berghmans, D., “*Impulsive Coronal Dynamics as Revealed by EIT*”, 1998ASPC..155..356C [ADS](#)
- Clette, F. & Berghmans, D., “*EIT Observations of Small-Scale Dynamics in the Transition Region and Corona*”, 1997ESASP.415..95C [ADS](#)
- Moses, D., Clette, F., Delaboudinière, J. P., et al., “*EIT Observations of the Extreme Ultraviolet Sun*”, 1997SoPh..175..571M [ADS](#)
- Tirry, W. J. & Berghmans, D., “*Wave heating of coronal loops driven by azimuthally polarised footpoint motions. II. The time-dependent behaviour in ideal MHD.*”, 1997A&A...325..329T [ADS](#)
- Berghmans, D. & Tirry, W. J., “*Wave heating of coronal loops driven by azimuthally polarised footpoint motions. I. Stationary behaviour in dissipative MHD.*”, 1997A&A...325..318B [ADS](#)
- Tirry, W. J., Berghmans, D., & Goossens, M., “*Temporal evolution of resonant absorption in coronal loops. Excitation by footpoint motions normal to the magnetic surfaces.*”, 1997A&A...322..329T [ADS](#)
- Ruderman, M. S., Berghmans, D., Goossens, M., & Poedts, S., “*Direct excitation of resonant torsional Alfvén waves by footpoint motions.*”, 1997A&A...320..305R [ADS](#)
- Tirry, W. & Berghmans, D., “*The role of the quasi-modes in the wave-heating of line-tied coronal loops*”, 1997jena.confE..58T [ADS](#)
- Poedts, S., Tirry, W., Berghmans, D., & Goossens, M., “*MHD wave heating of coronal loops*”, 1997jena.confE..54P [ADS](#)
- Clette, F. & Berghmans, D., “*Wave and Small-Scale Dynamics Study Using High-Cadence EIT Image Sequences*”, 1997ESASP.404..283C [ADS](#)
- Berghmans, D., “*Heating of Coronal Loops by MHD Waves Driven by Photospheric Motions*”, 1997ESASP.404..199B [ADS](#)
- Berghmans, D., de Bruyne, P., & Goossens, M., “*The Footpoint-driven Coronal Sausage Wave*”, 1996ApJ...472..398B [ADS](#)
- Berghmans, D. & de Bruyne, P., “*Coronal Loop Oscillations Driven by Footpoint Motions: Analytical Results for a Model Problem*”, 1996ApL&C..34..157B [ADS](#)
- Berghmans, D. & de Bruyne, P., “*Coronal Loop Oscillations Driven by Footpoint Motions: Analytical Results for a Model Problem*”, 1995ApJ...453..495B [ADS](#)