

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

- Kliem, B., "Torus instability in magnetic flux ropes", 2022cosp...44.2410K [ADS](#)
- Hassanin, A., Kliem, B., Seehafer, N., & Török, T., "A Model of Homologous Confined and Ejective Eruptions Involving Kink Instability and Flux Cancellation", 2022ApJ...929L..23H [ADS](#)
- Kliem, B. & Seehafer, N., "Helicity shedding by flux rope ejection", 2022A&A...659A..49K [ADS](#)
- Yan, X., Xue, Z., Jiang, C., et al., "Fast plasmoid-mediated reconnection in a solar flare", 2022NatCo..13..640Y [ADS](#)
- Chen, J., Su, Y., Liu, R., et al., "Partial Eruption, Confinement, and Twist Buildup and Release of a Double-decker Filament", 2021ApJ...923..142C [ADS](#)
- Saad Hassanin, A., Kliem, B., Torok, T., & Seehafer, N., "Flux rope reformation as a model for homologous solar flares and coronal mass ejections", 2021AGUFMSH32A..09S [ADS](#)
- Kliem, B., Lee, J., Liu, R., et al., "Nonequilibrium Flux Rope Formation by Confined Flares Preceding a Solar Coronal Mass Ejection", 2021ApJ...909..91K [ADS](#)
- Pan, H., Liu, R., Gou, T., et al., "Pre-eruption Splitting of the Double-decker Structure in a Solar Filament", 2021ApJ...909..32P [ADS](#)
- Alt, A., Myers, C. E., Ji, H., et al., "Laboratory Study of the Torus Instability Threshold in Solar-relevant, Line-tied Magnetic Flux Ropes", 2021ApJ...908..41A [ADS](#)
- Kliem, B., "A Statistical Study of Flare Ribbons in Confined Precursor Eruptions", 2021cosp...43E1774K [ADS](#)
- Kliem, B., Zhang, J., Torok, T., & Chintzoglou, G., "Decay Index Profile and Coronal Mass Ejection Speed", 2021cosp...43E.997K [ADS](#)
- Patsourakos, S., Vourlidas, A., Török, T., et al., "Decoding the Pre-Eruptive Magnetic Field Configurations of Coronal Mass Ejections", 2020SSRv..216..131P [ADS](#)
- Chen, H., Zhang, J., De Pontieu, B., et al., "Coronal Mini-jets in an Activated Solar Tornado-like Prominence", 2020ApJ...899..19C [ADS](#)
- Stein, W., Chapoton, F., Demeyer, J., et al.: 2020, *sagemath/sage*: 9.1, Zenodo 2020znndo...4066866S [ADS](#)
- Cheng, X., Zhang, J., Kliem, B., et al., "Initiation and Early Kinematic Evolution of Solar Eruptions", 2020ApJ...894..85C [ADS](#)
- Chen, J., Liu, R., Liu, K., et al., "Extreme-ultraviolet Late Phase of Solar Flares", 2020ApJ...890..158C [ADS](#)
- Veronig, A., Podladchikova, T., Dissauer, K., et al., "Genesis and impulsive evolution of the fast CME associated with the X8.2 flare on 2017 September 10", 2019AGUFMSH13A..02V [ADS](#)
- Patsourakos, S., Vourlidas, A., Anthiochos, S. K., et al., "Sheared Magnetic Arcades and the Pre-eruptive Magnetic Configuration of Coronal Mass Ejections: Diagnostics, Challenges and Future Observables", 2019shin.confE.194P [ADS](#)
- Veronig, A., Podladchikova, T., Dissauer, K., et al., "Genesis, magnetic morphology and impulsive evolution of the coronal mass ejection associated with the X8.2 flare on 2017 September 10", 2019EGUGA..21.9243V [ADS](#)
- Liu, R., Gou, T., Kliem, B., Wang, Y., & Veronig, A., "The Birth of a Coronal Mass Ejection", 2019EGUGA..21.5194I [ADS](#)
- Gou, T., Liu, R., Kliem, B., Wang, Y., & Veronig, A. M., "The Birth of A Coronal Mass Ejection", 2019SciA...5.7004G [ADS](#)
- Veronig, A. M., Podladchikova, T., Dissauer, K., et al., "Genesis and Impulsive Evolution of the 2017 September 10 Coronal Mass Ejection", 2018ApJ...868..107V [ADS](#)
- Podladchikova, T., Veronig, A. M., Dissauer, K., et al., "Evolution of flux rope, CME and associated EUV wave in the 10-Sep-2018 X8.2 event", 2018csc..confE..38P [ADS](#)
- Savcheva, A., Kliem, B., Downs, C., & Torok, T., "Data-constrained simulation of a Double-decker Eruption", 2018shin.confE..91S [ADS](#)
- Cheng, X. & Kliem, B., "Unambiguous Evidence of Filament Splitting-Induced Partial Eruptions", 2018cosp...42E.619C [ADS](#)
- Lee, J., White, S. M., Liu, C., Kliem, B., & Masuda, S., "Magnetic Structure of a Composite Solar Microwave Burst", 2018ApJ...856..70L [ADS](#)
- Cheng, X., Kliem, B., & Ding, M. D., "Unambiguous Evidence of Filament Splitting-induced Partial Eruptions", 2018ApJ...856..48C [ADS](#)
- Hassanin, A. & Kliem, B., "Helical Kink Instability in a Confined Solar Eruption", 2016ApJ...832..106H [ADS](#)
- Kliem, B., Chintzoglou, G., Torok, T., Zhang, J., & Downs, C., "Magnetic Source Region Characteristics Influencing the Velocity of Solar Eruptions in the Corona", 2016AGUFMSH13B2292K [ADS](#)
- Kliem, B., "Magnetic Structure of Solar Eruptions: Flux Rope Formation, Instability, Confinement, and Ejection", 2016AGUFMSH12B..01K [ADS](#)
- Hassanin, A., Kliem, B., & Seehafer, N., "Helical kink instability in the confined solar eruption on 2002 May 27", 2016AN...337.1082H [ADS](#)
- Xue, Z., Yan, X., Cheng, X., et al., "Observing the release of twist by magnetic reconnection in a solar filament eruption", 2016NatCo...711837X [ADS](#)
- Liu, R., Kliem, B., Titov, V. S., et al., "Structure, Stability, and Evolution of Magnetic Flux Ropes from the Perspective of Magnetic Twist", 2016ApJ...818..148L [ADS](#)
- Louis, R. E., Kliem, B., Ravindra, B., & Chintzoglou, G., "Triggering an Eruptive Flare by Emerging Flux in a Solar Active-Region Complex", 2015SoPh..290.3641L [ADS](#)
- Liu, R., Kliem, B., Török, T., et al., "Erratum: 'Slow Rise and Partial Eruption of a Double-decker Filament. I. Observations and Interpretation' (2012, ApJ, 756, 59)", 2015ApJ...814..164L [ADS](#)
- Liu, R., Kliem, B., Titov, V. S., et al., "Structure, Stability and Evolution of a Magnetic Flux Rope", 2015AGUFMSH13D2457L [ADS](#)
- Dalmasse, K., Aulanier, G., Démoulin, P., et al., "The Origin of Net Electric Currents in Solar Active Regions", 2015ApJ...810..17D [ADS](#)
- Dalmasse, K., Aulanier, G., Török, T., et al., "Electric current neutralization in solar active regions", 2015TESS....111303D [ADS](#)
- Ni, L., Kliem, B., Lin, J., & Wu, N., "Fast Magnetic Reconnection in the Solar Chromosphere Mediated by the Plasmoid Instability", 2015ApJ...799..79N [ADS](#)
- Kliem, B., Török, T., Titov, V. S., et al., "Slow Rise and Partial Eruption of a Double-decker Filament. II. A Double Flux Rope Model", 2014ApJ...792..107K [ADS](#)
- Cheng, X., Ding, M. D., Zhang, J., et al., "Formation of a Double-decker Magnetic Flux Rope in the Sigmoidal Solar Active Region 11520", 2014ApJ...789..93C [ADS](#)
- Kliem, B., Lin, J., Forbes, T. G., Priest, E. R., & Török, T., "Catastrophe versus Instability for the Eruption of a Toroidal Solar Magnetic Flux Rope", 2014ApJ...789..46K [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](#)
- Torok, T., Leake, J. E., Titov, V., et al., "Distribution of electric currents in source regions of solar eruptions", 2014AA...22431202T [ADS](#)
- Kliem, B., Forbes, T. G., Patsourakos, S., & Vourlidas, A., "Rapid CME Cavity Formation and Expansion", 2014AA...22421206K [ADS](#)
- Török, T., Leake, J. E., Titov, V. S., et al., "Distribution of Electric Currents in Solar Active Regions", 2014ApJ...782L..10T [ADS](#)
- Louis, R. E., Puschmann, K. G., Kliem, B., Balthasar, H., & Denker, C., "Sunspot splitting triggering an eruptive flare", 2014A&A...562A.110L [ADS](#)
- Ni, L., Lin, J., & Kliem, B., "Fast magnetic reconnection in solar chromosphere with radiation cooling and ambipolar diffusion", 2014cosp...40E2270N [ADS](#)
- Dalmasse, K., Pariat, E., Kliem, B., et al., "Electric currents in solar active regions", 2014cosp...40E.613D [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](#)
- Green, L. M. & Kliem, B., "Observations of flux rope formation prior to coronal mass ejections", 2014IAUS..300..209G [ADS](#)
- Kliem, B., Su, Y. N., van Ballegooijen, A. A., & DeLuca, E. E., "Magnetohydrodynamic Modeling of the Solar Eruption on 2010 April 8", 2013ApJ...779..129K [ADS](#)
- Liu, R., Liu, C., Xu, Y., et al., "Observation of a Moreton Wave and Wave-Filament Interactions Associated with the Renowned X9 Flare on 1990 May 24", 2013ApJ...773..166L [ADS](#)
- DeLuca, E. E., Su, Y., Kliem, B., & Van Ballegooijen, A. A., "An MHD Model of a Solar Eruption Starting from NLFFF Initial Conditions", 2013SPD...4410301D [ADS](#)
- Su, Y., Kliem, B., van Ballegooijen, A., & Deluca, E., "Numerical simulations of the CME on 2010 April 8", 2013IAUS..294..575S [ADS](#)
- Kliem, B., Su, Y., Van Ballegooijen, A. A., & DeLuca, E., "MHD Modeling of the Solar Eruption on 2010 April 8", 2012AGUFMSH51A2194K [ADS](#)
- Kliem, B., "CME Initiation and Evolution in the Corona", 2012AGUFMSH14A..01K [ADS](#)
- Kliem, B., Török, T., & Thompson, W. T., "A Parametric Study of Erupting Flux Rope Rotation. Modeling the "Cartwheel CME" on 9 April 2008", 2012SoPh..281..137K [ADS](#)
- Teriaca, L., Andretta, V., Auchère, F., et al., "LEMUR: Large European module for solar Ultraviolet Research. European contribution to JAXA's Solar-C mission", 2012ExA...34..273T [ADS](#)
- Liu, R., Kliem, B., Török, T., et al., "Slow Rise and Partial Eruption of a Double-decker Filament. I. Observations and Interpretation", 2012ApJ...756..59L [ADS](#)

- Green, L. M., Wallace, A. J., & Kliem, B., “*Hinode Observations of an Eruption from a Sigmoidal Active Region*”, 2012ASPC..454..391G [ADS](#)
- Kliem, B., “*Energy Storage and Release in the Solar Atmosphere - Key SDO Results*”, 2012cosp...39..937K [ADS](#)
- Pick, M. & Kliem, B., “*CME development in the corona and interplanetary medium : A multi-wavelength approach*”, 2012EAES...55..299P [ADS](#)
- Liu, R., Kliem, B., Toeroek, T., et al., “*Observation & Modeling of An Erupting Double-Decker Filament*”, 2012AA...22032203L [ADS](#)
- Thompson, W. T., Kliem, B., & Török, T., “*3D Reconstruction of a Rotating Erupting Prominence*”, 2012SoPh..276..241T [ADS](#)
- Kliem, B., Rust, S., & Seehafer, N., “*Helicity transport in a simulated coronal mass ejection*”, 2011IAUS..274..125K [ADS](#)
- Green, L. M., Kliem, B., & Wallace, A. J., “*Photospheric flux cancellation and associated flux rope formation and eruption*”, 2011A&A...526A...2G [ADS](#)
- Kliem, B., Forbes, T., Vourlidas, A., & Patsourakos, S., “*Simulations of Overexpanding CME Cavities*”, 2010AGUFMSH51A1661K [ADS](#)
- Torok, T., Kliem, B., Thompson, W. T., & Berger, M. A., “*Writhing and rotation of erupting prominences and CMEs*”, 2010AGUFMSH43C..01T [ADS](#)
- Seehafer, N. & Kliem, B., “*Helicity Shedding in a Simulated CME*”, 2010AGUFMSH23B1855S [ADS](#)
- Patsourakos, S., Vourlidas, A., & Kliem, B., “*Toward understanding the early stages of an impulsively accelerated coronal mass ejection. SECCHI observations*”, 2010A&A...522A.100P [ADS](#)
- Kliem, B., Linton, M. G., Török, T., & Karlický, M., “*Reconnection of a Kinking Flux Rope Triggering the Ejection of a Microwave and Hard X-Ray Source II. Numerical Modeling*”, 2010SoPh..266..91K [ADS](#)
- Karlický, M. & Kliem, B., “*Reconnection of a Kinking Flux Rope Triggering the Ejection of a Microwave and Hard X-ray Source I. Observations and Interpretation*”, 2010SoPh..266..71K [ADS](#)
- Valori, G., Kliem, B., Török, T., & Titov, V. S., “*Testing magnetofrictional extrapolation with the Titov-Démoulin model of solar active regions*”, 2010A&A...519A..44V [ADS](#)
- Török, T., Berger, M. A., & Kliem, B., “*The writhe of helical structures in the solar corona*”, 2010A&A...516A..49T [ADS](#)
- Kliem, B. & Green, L. M., “*Flux Rope Formation Preceding Coronal Mass Ejection Onset*”, 2009SPD...41.2120K [ADS](#)
- Muglach, K., Wang, Y. M., & Kliem, B., “*Evidence for Mixed Helicity in Erupting Filaments*”, 2009ApJ...703..976M [ADS](#)
- Green, L. M. & Kliem, B., “*Flux Rope Formation Preceding Coronal Mass Ejection Onset*”, 2009ApJ...700L..83G [ADS](#)
- Wang, Y. M., Muglach, K., & Kliem, B., “*Endpoint Brightenings in Erupting Filaments*”, 2009ApJ...699..133W [ADS](#)
- Tripathi, D., Kliem, B., Mason, H. E., Young, P. R., & Green, L. M., “*Temperature Tomography of a Coronal Sigmoid Supporting the Gradual Formation of a Flux Rope*”, 2009ApJ...698L..27T [ADS](#)
- Kliem, B., Patsourakos, S., Vourlidas, A., & Ontiveros, V., “*Quadrature STEREO Observations Determine the Nature of EUV Waves*”, 2009SPD...40.2603K [ADS](#)
- Thompson, W. T., Kliem, B., & Toeroek, T., “*3D Reconstruction of an Erupting Prominence*”, 2009SPD...40.2111T [ADS](#)
- Muglach, K., Wang, Y., & Kliem, B., “*Endpoint Brightenings in Erupting Filaments*”, 2009SPD...40.2109M [ADS](#)
- Kliem, B. & Linton, M. G., “*Intermittent Reconnection Downflow Enhancements In A Simulated Flux Rope Eruption*”, 2009SPD...40.2006K [ADS](#)
- Kliem, B., Török, T., & Forbes, T. G., “*Simulations of the CME-Flare Relationship*”, 2008AGUFMSH23B1648K [ADS](#)
- Kliem, B. & Török, T., “*Simulations of the CME-Flare Relationship*”, 2008ESPM...12.3.67K [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](#)
- Fuhrmann, M., Kliem, B., Valori, G., & Seehafer, N., “*Coronal Magnetic Field Extrapolation from Photospheric Measurements Applied to an Active Region*”, 2008ESPM...12.3.37F [ADS](#)
- Valori, G., Kliem, B., & Toeroek, T., “*Magnetofrictional Extrapolations of Current-Carrying Flux Ropes*”, 2008ESPM...12.2.90V [ADS](#)
- Schrijver, C. J., Elmore, C., Kliem, B., Török, T., & Title, A. M., “*Observations and Modeling of the Early Acceleration Phase of Erupting Filaments Involved in Coronal Mass Ejections*”, 2008ApJ...674..586S [ADS](#)
- van Driel-Gesztelyi, L., Green, L. M., Kliem, B., Toeroek, T., & Attrill, G., “*What kinking filament eruptions tell us about the physical nature of transient coronal sigmoids ?*”, 2008cosp...37.3289V [ADS](#)
- Green, L. M., Kliem, B., Török, T., van Driel-Gesztelyi, L., & Attrill, G. D. R., “*Transient Coronal Sigmoids and Rotating Erupting Flux Ropes*”, 2007SoPh..246..365G [ADS](#)
- Seehafer, N., Fuhrmann, M., Valori, G., & Kliem, B., “*Force-free magnetic fields in the solar atmosphere*”, 2007AN...328.1166S [ADS](#)
- Valori, G., Kliem, B., & Fuhrmann, M., “*Magnetofrictional Extrapolations of Low and Lou's Force-Free Equilibria*”, 2007SoPh..245..263V [ADS](#)
- Török, T. & Kliem, B., “*Numerical simulations of fast and slow coronal mass ejections*”, 2007AN...328..743T [ADS](#)
- Gibson, S. E., Fan, Y., Török, T., & Kliem, B., “*The Evolving Sigmoid: Evidence for Magnetic Flux Ropes in the Corona Before, During, and after CMES*”, in D. N. Baker, B. Klecker, S. J. Schwartz, R. Schwenn, and R. von Steiger (Eds.), *Solar Dynamics and Its Effects on the Heliosphere and Earth. Series: Space Sciences Series of ISSI*, Vol. 22, 131–144 2007sdeh.book..131G [ADS](#)
- Wiegelmann, T., Inhester, B., Kliem, B., Valori, G., & Neukirch, T., “*Testing non-linear force-free coronal magnetic field extrapolations with the Titov-Démoulin equilibrium*”, 2006A&A...453..737W [ADS](#)
- Gibson, S. E., Fan, Y., Török, T., & Kliem, B., “*The Evolving Sigmoid: Evidence for Magnetic Flux Ropes in the Corona Before, During, and After CMES*”, 2006SSRv..124..131G [ADS](#)
- Kliem, B. & Toeroek, T., “*Flux Ropes and CMEs: The Kink and Torus Instabilities, Catastrophe, and Magnetic Reconnection*”, 2006SPD...37.0820K [ADS](#)
- Kliem, B. & Török, T., “*Torus Instability*”, 2006PhRvL..96y5002K [ADS](#)
- Shklyar, D. R. & Kliem, B., “*Relativistic electron scattering by electrostatic upper hybrid waves in the radiation belt*”, 2006JGRA..111.6204S [ADS](#)
- Török, T. & Kliem, B., “*Confined and Ejective Eruptions of Kink-unstable Flux Ropes*”, 2005ApJ...630L..97T [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](#)
- Valori, G., Kliem, B., & Keppens, R., “*Extrapolation of a nonlinear force-free field containing a highly twisted magnetic loop*”, 2005A&A...433..335V [ADS](#)
- Török, T. & Kliem, B., “*The Kink Instability in Solar Eruptions*”, 2004ESASP.575..56T [ADS](#)
- Török, T. & Kliem, B., “*The kink instability of a coronal magnetic loop as a trigger mechanism for solar eruptions*”, 2004PADEU..14..165T [ADS](#)
- Zaitsev, V. V., Kislyakov, A. G., Stepanov, A. V., Kliem, B., & Furst, E., “*Pulsating Microwave Emission from the Star AD Leo*”, 2004AstL...30..319Z [ADS](#)
- Kliem, B., “*Flare/CME Relationship*”, 2004cosp...35.4097K [ADS](#)
- Török, T., Kliem, B., & Titov, V. S., “*The kink instability of a coronal magnetic loop as a trigger mechanism for solar eruptions*”, 2004cosp...35.3327T [ADS](#)
- Curdt, W., Wang, T. J., Dwivedi, B. N., Kliem, B., & Dammasch, I. E., “*SUMER Observations of Heating and Cooling of Coronal Loops*”, 2004ESASP.547..333C [ADS](#)
- Török, T., Kliem, B., & Titov, V. S., “*Ideal kink instability of a magnetic loop equilibrium*”, 2004A&A...413L..27T [ADS](#)
- Kliem, B., Titov, V. S., & Török, T., “*Formation of current sheets and sigmoidal structure by the kink instability of a magnetic loop*”, 2004A&A...413L..23K [ADS](#)
- Wang, T. J., Solanki, S. K., Curdt, W., et al., “*Hot coronal loop oscillations observed with SUMER: Examples and statistics*”, 2003A&A...406.1105W [ADS](#)
- Török, T. & Kliem, B., “*The evolution of twisting coronal magnetic flux tubes*”, 2003A&A...406.1043T [ADS](#)
- Kliem, B., “*The Initial Phase of the 2002 April 21 Solar X Flare: Aspects of Agreement and of Disagreement with Solar Flare Models*”, 2003ANS...324R..11K [ADS](#)
- Kliem, B., Török, T., & Titov, V. S., “*Formation of Current Sheets and Sigmoidal Structure by the Ideal Kink Instability of a Magnetic Loop*”, 2003ANS...324..73K [ADS](#)
- Kliem, B., MacKinnon, A., Trottet, G., & et al., “*Recent Progress in Understanding Energy Conversion and Particle Acceleration in the Solar Corona*”, in L. Klein (Ed.), *Energy Conversion and Particle Acceleration in the Solar Corona*, Vol. 612, 263–293 2003LNP...612..263K [ADS](#)
- Török, T. & Kliem, B., “*The evolution of coronal magnetic flux tubes twisted by photospheric vortex motions*”, 2002ESASP.506..781T [ADS](#)
- Karlický, M., Kliem, B., Mészárosová, H., & Jiříčka, K., “*Drifting decimetric pulsation structures in the initial phase of solar flares*”, 2002ESASP.506..653K [ADS](#)
- Curdt, W., Wang, T. J., Innes, D. E., et al., “*Doppler oscillations in hot coronal loops*”, 2002ESASP.506..581C [ADS](#)
- Kliem, B., Dammasch, I. E., Curdt, W., & Wilhelm, K., “*Correlated Dynamics of Hot and Cool Plasmas in the Main Phase of a Solar Flare*”, 2002ApJ...568L..61K [ADS](#)
- Kliem, B. & Török, T., “*The evolution of coronal magnetic flux tubes subject to footpoint twisting motions*”, 2002ocnd.confE..25K [ADS](#)
- Kliem, B., Dammasch, I. E., Curdt, W., & Wilhelm, K., “*Correlated Dynamics of Hot and Cool Plasmas in Two Solar Flares*”, 2002mwoc.conf..271K [ADS](#)

- Stepanov, A. V., Kliem, B., Zaitsev, V. V., et al., "Microwave plasma emission of a flare on AD Leo", 2001A&A...374..1072S [ADS](#)
- Török, T. & Kliem, B., "The evolution of coronal magnetic flux tubes under the influence of footpoint twisting motions", 2001sp...proc..364T [ADS](#)
- Kliem, B. & Schumacher, J., "Dynamic three-dimensional spontaneous reconnection in a sheared current sheet", 2001sp...proc..264K [ADS](#)
- Dammasch, I. E., Curdt, W., Kliem, B., Dwivedi, B. N., & Wilhelm, K., "Spectroscopic Signatures of a Flare Observed by SUMER Onboard SOHO", 2001IAUS..203..264D [ADS](#)
- Kliem, B., Karlický, M., & Benz, A. O., "Solar flare radio pulsations as a signature of dynamic magnetic reconnection", 2000A&A...360..715K [ADS](#)
- Schumacher, J., Kliem, B., & Seehafer, N., "Three-dimensional spontaneous magnetic reconnection in neutral current sheets", 2000PhPl....7..108S [ADS](#)
- Stepanov, A. V., Kliem, B., Krüger, A., Hildebrandt, J., & Garaev, V. I., "Second-Harmonic Plasma Radiation of Magnetically Trapped Electrons in Stellar Coronae", 1999ApJ...524..961S [ADS](#)
- Mendoza-Torres, J. E., Wilhelm, K., Innes, D. E., et al., "The evolution of solar bipolar jets observed in the UV by SUMER on SOHO", 1998Iarm.confE..17M [ADS](#)
- Aeschwenden, M. J., Kliem, B., Schwarz, U., et al., "Wavelet Analysis of Solar Flare Hard X-Rays", 1998ApJ...505..941A [ADS](#)
- Kliem, B., Schumacher, J., & Shklyar, D. R., "Test Particle Acceleration in 2d Current Sheets Undergoing Dynamical Phases of Reconnection", 1998paac.conf..563K [ADS](#)
- Kliem, B., Stepanov, A., & Krüger, A., "On the double plasma resonance effect in solar and stellar coronae", 1998ce...workE..50K [ADS](#)
- Shibasaki, K., Kosugi, T., Bogod, V., et al., "Coronal magnetic-field changes of a strong, very fast developing compact solar active region and related processes", 1998ce...workE..49S [ADS](#)
- Fomichev, V. V., Oraevsky, V. N., Pulinets, S. A., et al., "On the SORS project of CORONAS I and F", 1998ce...workE..48F [ADS](#)
- Aschwanden, M. J., Dennis, B. R., Schwartz, R. A., et al., "Logistic Avalanche Processes, Elementary Time Structures, Frequency Distributions, and Wavelet Analysis of Solar Flares", 1998ce...workE..10A [ADS](#)
- Krüger, A., Kliem, B., Hildebrandt, J., Karlický, M., & Zlobec, P., "On the source height of decimetre-wave burst emission (abstract)", 1998PAICz..88..93K [ADS](#)
- Krüger, A., Kliem, B., Hildebrandt, J., et al., "An Attempt to Classify Solar Microwave-Bursts by Source Localization Characteristics and Dynamics of Flare-Energy Release", 1998IAUS..188..205K [ADS](#)
- Wilhelm, K., Innes, E. E., Curdt, W., Kliem, B., & Brekke, P., "Plasma jets in the solar atmosphere observed in EUV emission lines by SUMER on SOHO", 1998ESASP.421..103W [ADS](#)
- Kliem, B., Schumacher, J., & Shklyar, D. R., "Test particle acceleration in 2D current sheets undergoing dynamical phases of reconnection", 1998AdSpR..21..563K [ADS](#)
- Schwarz, U., Kurths, J., Kliem, B., Krüger, A., & Urpo, S., "Multiresolution analysis of solar mm-wave bursts", 1998A&S..127..309S [ADS](#)
- Zaitsev, V. V., Krüger, A., Hildebrandt, J., & Kliem, B., "Plasma radiation of power-law electrons in magnetic loops: application to solar decimeter-wave continua", 1997A&A...328..390Z [ADS](#)
- Stepanov, A. V., Kliem, B., Krüger, A., & Hildebrandt, J., "Electrostatic Wave Instability and Plasma Radiation from Coronal Loops", 1997SoPh..176..147S [ADS](#)
- Zaitsev, V. V., Krüger, A., Hildebrandt, J., & Kliem, B., "On the Origin of Decimetric-Wave Continuum of Solar Flares", 1997pre4.conf..453Z [ADS](#)
- Kliem, B., "Particle Acceleration by Magnetic Reconnection in Filamentary Current Sheets", 1997ICRC....1..149K [ADS](#)
- Krüger, A., Hildebrandt, J., Kliem, B., et al., "Coronal Energy Release and Magnetic Fields at Low Solar Activity", 1997ESASP.404..469K [ADS](#)
- Schumacher, J. & Kliem, B., "Transient fast reconnection in dynamic current sheets with anomalous resistivity", 1997AdSpR..19.1797S [ADS](#)
- Kliem, B. & Schumacher, J., "MHD Simulations of Coronal Current Sheet Dynamics", 1996mpsa.conf..305K [ADS](#)
- Kliem, B. & Bastian, T. S., "VLA Observations of Decimetric Microbursts in the Solar Corona", 1996ASPC...93..372K [ADS](#)
- Stepanov, A. V., Hildebrandt, J., Kliem, B., & Krüger, A., "Plasma Radiation and Polarization of Stellar Radio Emission", 1996ASPC...93..333S [ADS](#)
- Tajima, T. & Kliem, B., "Book-Review - Computational Plasma Physics - with Applications to Fusion and Astrophysics", 1995AN....316..195T [ADS](#)
- Kliem, B., "Coupled Magnetohydrodynamic and Kinetic Development of Current Sheets in the Solar Corona", in A. O. Benz and A. Krüger (Eds.), Coronal Magnetic Energy Releases, Vol. 444, 93 1995LNP...444..93K [ADS](#)
- Schumacher, J. & Kliem, B., "MHD simulations of coronal current sheet dynamics", 1995AGAb..11..322S [ADS](#)
- Kliem, B., "VLA observations of decimetric microbursts in the solar corona.", 1995AGAb...11..118K [ADS](#)
- Kliem, B., "Particle Orbits, Trapping, and Acceleration in a Filamentary Current Sheet Model", 1994ApJS...90..719K [ADS](#)
- Krueger, A., Kliem, B., Hildebrandt, J., & Zaitsev, V. V., "Microwave Burst Timescales and Solar Flare Acceleration Processes", 1994ApJS...90..683K [ADS](#)
- Kliem, B., "Particle acceleration in a filamentary current sheet model.", 1993ppcn.conf..223K [ADS](#)
- Kliem, B., Kruger, A., Urbars, H. W., et al., "U-shaped multiband type II radio burst from a behind-limb solar flare", 1993AZh....70..188K [ADS](#)
- Hildebrandt, J., Kliem, B., & Krüger, A., "Solar Coronal Magnetic Fields", 1993IAUS..157..59H [ADS](#)
- Kliem, B., Kruger, A., Urbarz, H. W., et al., "A U-shaped, multiband, type II radio burst from a solar flare beyond the limb", 1993ARep...37..99K [ADS](#)
- Aurass, H. & Kliem, B., "Fiber Bursts in Type-Iv DM Radio Continua as a Signature of Coronal Current Sheet Dynamics", 1992SoPh..141..371A [ADS](#)
- Kliem, B., Krueger, A., & Treumann, R. A., "Third Plasma Harmonic Radiation in Type-II Bursts", 1992SoPh..140..149K [ADS](#)
- Kliem, B., "Particle orbits and acceleration in a filamentary current sheet model", 1992sws..coll..469K [ADS](#)
- Krüger, A., Hildebrandt, J., Kliem, B., Aurass, H., & Kurths, J., "Erratum: Microwave Characteristics of a behind-the-Limb Proton Flare", 1991SoPh..135..423K [ADS](#)
- Krüger, A., Hildebrandt, J., Kliem, B., et al., "Microwave characteristics of a behind-the-limb proton flare", 1991SoPh..134..171K [ADS](#)
- Kliem, B., Krueger, A., & Treumann, R. A.: 1991, Third plasma harmonic radiation in type 2 bursts 1991STIN...9212982K [ADS](#)
- Kliem, B. & Seehafer, N., "Plasma Heating by Current Sheets in Solar Active Regions", 1991mcch.conf..564K [ADS](#)
- Kikuchi, H. & Kliem, B., "Book-Review - Laboratory and Space Plasmas", 1990AN....311..423K [ADS](#)
- Kliem, B., "Fragmentary energy release due to tearing and coalescence in coronal current sheets", 1990AN....311..399K [ADS](#)
- Fomichev, V. V., Chertok, I. M., Gorgutsa, R. V., et al., "Higher Harmonic Plasma Radiation in Solar Type-II Radio Bursts", 1990IAUS..142..517F [ADS](#)
- Chertok, I. M., Fomichev, V. V., Gorgutsa, R. V., et al., "A survey of the peculiar radio emission of the solar behind-limb event on 16th February 1984", 1990AN....311..55C [ADS](#)
- Melrose, D. B. & Kliem, B., "Book-Review - Instabilities in Space and Laboratory Plasmas", 1990AN....311..40M [ADS](#)
- Kliem, B. & Seehafer, N., "Plasma heating by current sheets in solar active regions.", 1990AGAb....5..40K [ADS](#)
- Krüger, A., Hildebrandt, J. & Kliem, B., "Source heights of radio emission derived from behind-limb flares", 1990AGAb....5..36K [ADS](#)
- Krueger, A., Kliem, B., & Hildebrandt, J., "Time Scales of Solar Microwave Bursts and Scenarios of Flare Energy Release", 1989ESASP.285..169K [ADS](#)
- Kliem, B., "Dynamic Development of Coronal Current Sheets", 1989ESASP.285..117K [ADS](#)
- Melrose, D. B. & Kliem, B., "Book-Review - Instabilities in Space and Laboratory Plasmas", 1989AN....310..434M [ADS](#)
- Kliem, B.: 1987, "Radiostrahlung durch Temperaturanisotropieinstabilität elektronenzyklotronharmonischer Wellen in der SonnenkoronaRadiostrahlung durch Temperaturanisotropieinstabilität elektronenzyklotronharmonischer Wellen in der SonnenkoronaRadio emission by temperature anisotropy instability of electron cyclotron harmonic waves in the solar corona", Ph.D. thesis, Academy of Sciences of the German Democratic Republic, Germany 1987PhDT.....184K [ADS](#)
- Krueger, A., Aurass, H., Kliem, B., & Urpo, S., "Examination of solar radio burst onsets in view of different flare scenarios and preflare structures.", 1987PAICz..66..245K [ADS](#)
- Melrose, D. B. & Kliem, B., "Book-Review - Plasma Astrophysics", 1987AN....308..87M [ADS](#)
- Kliem, B., "A new plasma emission model for bright, slowly moving type IV solar radio bursts", 1986CoSka..15..709K [ADS](#)
- Kliem, B., "Brightness temperature of radiation from the coupling of oblique Bernstein modes in coronal plasma", 1986CoSka..15..703K [ADS](#)
- Krüger, A., Kliem, B., & Urpo, S., "Small time-scale features of impulsive solar nm-bursts", 1986CoSka..15..139K [ADS](#)
- Christiansen, W. N., Hogbom, J. A., & Kliem, B., "Book-Review - Radiotelescopes - ED.2", 1986AN....307..384C [ADS](#)