

Bibliography from ADS file: *hanslmeier.bib*
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- Poljančić Beljan, I., Jurdana-Šepić, R., Jurkić, T., et al., “Variation in solar differential rotation and activity in the period 1964–2016 determined by the Kanzelhöhe data set”, [2022A&A...663A..24P ADS](#)
- Erdélyi, R., Korsós, M. B., Huang, X., et al., “The Solar Activity Monitor Network – SAMNet”, [2022JWSWC..12...2E ADS](#)
- Brajša, R., Verbanac, G., Bandić, M., et al., “A prediction for the 25th solar cycle maximum amplitude”, [2022AN....3431396B ADS](#)
- Vashalomidze, Z., Zaqrashvili, T. V., Kukhianidze, V., et al., “Prominence instability and CMEs triggered by massive coronal rain in the solar atmosphere”, [2022A&A...658A..18V ADS](#)
- Fian, C., Mediavilla, E., Jiménez-Vicente, J., et al., “Revealing the structure of the lensed quasar Q 0957+561. I. Accretion disk size”, [2021A&A...654A..70F ADS](#)
- Fian, C., Mediavilla, E., Motta, V., et al., “Microlensing of the broad emission lines in 27 gravitationally lensed quasars. Broad line region structure and kinematics”, [2021A&A...653A.109F ADS](#)
- Fian, C., Mediavilla, E., Jiménez-Vicente, J., et al., “Revealing the structure of the lensed quasar Q 0957+561: III. SMBH mass via gravitational redshift”, [2021arXiv210711791F ADS](#)
- Zaqrashvili, T. V., Lomineishvili, S., Leitner, P., et al., “Kink instability of triangular jets in the solar atmosphere”, [2021A&A...649A.179Z ADS](#)
- Leitzinger, M., Odert, P., Greimel, R., et al., “Upper limits on the CME frequency of solar-like stars”, [2021csss.confE..93L ADS](#)
- Abrevaya, X., Oppezzo, O. J., Odert, P., et al., “The impact of stellar flares and superflares on life: first experiments to reveal the UV surface habitability of exoplanets”, [2021BAAS...53c1219A ADS](#)
- Arkhypov, O. V., Khodachenko, M. L., & Hanslmeier, A., “Revealing peculiar exoplanetary shadows from transit light curves”, [2021A&A...646A.136A ADS](#)
- Arkhypov, O. V., Khodachenko, M. L., & Hanslmeier, A., “Variability of transit light curves of Kepler objects of interest”, [2020A&A...638A.143A ADS](#)
- Abrevaya, X. C., Leitzinger, M., Oppezzo, O. J., et al., “The UV surface habitability of Proxima b: first experiments revealing probable life survival to stellar flares”, [2020MNRAS.494L..69A ADS](#)
- Leitzinger, M., Odert, P., Greimel, R., et al., “A census of coronal mass ejections on solar-like stars”, [2020MNRAS.493.4570L ADS](#)
- Grossmann, D. H., Beck, P. G., & Hanslmeier, A., “KIC 9163796 - a benchmark binary for age determination”, [2020svos.conf..351G ADS](#)
- Beck, P. G., Kuschnig, R., Houdek, G., et al., “The BRITE-SONG of Aldebaran - stellar music in three voices”, [2020svos.conf...75B ADS](#)
- Hanslmeier, A.: 2020a, *Einführung in Astronomie und Astrophysik* [2020eiaa.book.....H ADS](#)
- Hanslmeier, A., “What Is Chaos?”, in The Chaotic Solar Cycle. Series: Atmosphere, 1–35 [2020csc..book...1H ADS](#)
- Hanslmeier, A.: 2020c, *The Chaotic Solar Cycle* [2020csc..book.....H ADS](#)
- Leitzinger, M., Odert, P., Vida, K., et al., “Observed versus modelled stellar CME rates”, [2020IAUS..345..246L ADS](#)
- Abrevaya, X. C., Leitzinger, M., Oppezzo, O. J., et al., “Towards astrobiological experimental approaches to study planetary UV surface environments”, [2020IAUS..345..222A ADS](#)
- Arkhypov, O. V., Khodachenko, M. L., & Hanslmeier, A., “Dusty phenomena in the vicinity of giant exoplanets”, [2019A&A...631A.152A ADS](#)
- Odert, P., Leitzinger, M., Hanslmeier, A., & Lammer, H., “Coronal mass ejections on young G, K, and M stars”, [2019EGUGA..21.68700 ADS](#)
- Leitzinger, M., Odert, P., Vida, K., et al., “Stellar CMEs from an observational point of view”, [2019EGUGA..21.6786L ADS](#)
- Kuridze, D., Mathioudakis, M., Morgan, H., et al., “Mapping the Magnetic Field of Flare Coronal Loops”, [2019ApJ...874..126K ADS](#)
- Fian, C., Mediavilla, E., Jiménez-Vicente, J., Muñoz, J. A., & Hanslmeier, A., “Estimate of the Accretion Disk Size in the Gravitationally Lensed Quasar HE 0435-1223 Using Microlensing Magnification Statistics”, [2018ApJ...869..132F ADS](#)
- Hanslmeier, A.: 2018, *Planetary Habitability and Stellar Activity*, Vol. 3 [2018phsa.book.....H ADS](#)
- Muller, R., Hanslmeier, A., Utz, D., & Ichimoto, K., “Does the solar granulation change with the activity cycle?”, [2018A&A...616A..87M ADS](#)
- Plantschitsch, I., Vršnak, B., Hanslmeier, A., et al., “Numerical Simulation of Coronal Waves Interacting with Coronal Holes. III. Dependence on Initial Amplitude of the Incoming Wave”, [2018ApJ...860..24P ADS](#)
- Fian, C., Guerras, E., Mediavilla, E., et al., “Microlensing and Intrinsic Variability of the Broad Emission Lines of Lensed Quasars”, [2018ApJ...859..50F ADS](#)
- Ruždjak, D., Sudar, D., Brajša, R., et al., “Meridional Motions and Reynolds Stress Determined by Using Kanzelhöhe Drawings and White Light Solar Images from 1964 to 2016”, [2018SoPh..293..59R ADS](#)
- Plantschitsch, I., Vršnak, B., Hanslmeier, A., et al., “Numerical Simulation of Coronal Waves Interacting with Coronal Holes. II. Dependence on Alfvén Speed Inside the Coronal Hole”, [2018ApJ...857..130P ADS](#)
- Juvan, I. G., Lendl, M., Cubillos, P. E., et al., “PyTranspot: A tool for multiband light curve modeling of planetary transits and stellar spots”, [2018A&A...610A..153 ADS](#)
- Plantschitsch, I., Hanslmeier, A., Roth, M., & Zaqrashvili, T. V., “Numerical Simulations of Kelvin-Helmholtz Instabilities in a two-fluid regime”, [2018CEAB...42..10P ADS](#)
- Odert, P., Leitzinger, M., Hanslmeier, A., & Lammer, H., “Stellar coronal mass ejections - I. Estimating occurrence frequencies and mass-loss rates”, [2017MNRAS.472..8760 ADS](#)
- Plantschitsch, I., Vršnak, B., Hanslmeier, A., et al., “A Numerical Simulation of Coronal Waves Interacting with Coronal Holes. I. Basic Features”, [2017ApJ...850..88P ADS](#)
- Poljančić Beljan, I., Jurdana-Šepić, R., Brajša, R., et al., “Solar differential rotation in the period 1964–2016 determined by the Kanzelhöhe data set”, [2017A&A...606A..72P ADS](#)
- Kuridze, D., Henriques, V., Mathioudakis, M., et al., “Spectroscopic Inversions of the Ca II 8542 Å Line in a C-class Solar Flare”, [2017ApJ...846..9K ADS](#)
- Leitner, P., Lemmerer, B., Hanslmeier, A., et al., “Structure of the solar photosphere studied from the radiation hydrodynamics code ANTARES”, [2017Ap&SS.362..181L ADS](#)
- Poljančić Beljan, I., Jurdana-Šepić, R., Brajša, R., et al., “Solar differential rotation in the period 1964 - 2016 determined by the Kanzelhöhe data set”, [2017arXiv170707886P ADS](#)
- Gömöry, P., Balthasar, H., Kuckein, C., et al., “Flare-induced changes of the photospheric magnetic field in a δ-spot deduced from ground-based observations”, [2017A&A...602A..60G ADS](#)
- Pylaev, O. S., Zaqrashvili, T. V., Brazhenko, A. I., et al., “Oscillation of solar radio emission at coronal acoustic cut-off frequency”, [2017A&A...601A..42P ADS](#)
- Lemmerer, B., Hanslmeier, A., Muthsam, H., & Plantschitsch, I., “Dynamics of small-scale convective motions”, [2017A&A...598A.126L ADS](#)
- Muller, R., Hanslmeier, A., & Utz, D., “Latitude dependence of the solar granulation during the minimum of activity in 2009”, [2017A&A...598A..6M ADS](#)
- Hanslmeier, A., Zaqrashvili, T., Koza, J., & Rybak, J., “Probing the lower solar atmosphere with CRSIP-SST Data”, [2017psio.confE.113H ADS](#)
- Leitner, P., Lemmerer, B., Hanslmeier, A., et al., “High-resolution modeling of the solar photosphere with the ANTARES RHD code”, [2017psio.confE.110L ADS](#)
- Gömöry, P., Balthasar, H., Kuckein, C., et al., “Flare induced changes of the photospheric magnetic field in a delta-spot deduced from ground-based observations”, [2017psio.confE.107G ADS](#)
- Hanslmeier, A., “Supernovae, Our Solar System, and Life on Earth”, in A. W. Alsabti and P. Murdin (Eds.), *Handbook of Supernovae*, 2489 [2017hsn..book.2489H ADS](#)
- Hanslmeier, A.: 2017b, *Das helle und das dunkle Universum* [2017hdu..book.....H ADS](#)
- Hanslmeier, A., Leitzinger, M., Greimel, R., et al., “Extreme Space Weather in Extra-Solar Systems - a Flare Alert Program”, [2017CEAB...41..67H ADS](#)
- Hanslmeier, A., “Science with a 1 Meter Telescope”, [2017CEAB...41..13H ADS](#)
- Leitzinger, M., Odert, P., Zaqrashvili, T. V., et al., “Indications of stellar prominence oscillations on fast rotating stars: the cases of HK Aqr and PZ Tel”, [2016MNRAS.463..965L ADS](#)
- Fian, C., Mediavilla, E., Hanslmeier, A., et al., “Size of the Accretion Disk in the Gravitationally Lensed Quasar SDSS J1004+4112 from the Statistics of Microlensing Magnifications”, [2016ApJ...830..149F ADS](#)
- Kuridze, D., Zaqrashvili, T. V., Henriques, V., et al., “Kelvin-Helmholtz Instability in Solar Chromospheric Jets: Theory and Observation”, [2016ApJ...830..133K ADS](#)
- Lemmerer, B., Hanslmeier, A., Muthsam, H., Plantschitsch, I., & Zaqrashvili, T., “Rotating plasma jets in the photospheric intergranular lanes”, [2016cosp...41E1136L ADS](#)
- Gurgenashvili, E., Zaqrashvili, T. V., Kukhianidze, V., et al., “Rieger-type Periodicity during Solar Cycles 14–24: Estimation of Dynamo Magnetic Field Strength in the Solar Interior”, [2016ApJ...826..55G ADS](#)
- Hanslmeier, A.: 2016, *Faszination Astronomie: Ein topaktueller Einstieg für alle naturwissenschaftlich Interessierten* [2016faas.book.....H ADS](#)
- Utz, D., Muller, R., Thonhofer, S., et al., “Long-term trends of magnetic bright points. I. Number of magnetic bright points at disc centre”, [2016A&A...585A..39U ADS](#)

- Wedemeyer, S., Bastian, T., Brajša, R., et al., “SSALMON - The Solar Simulations for the Atacama Large Millimeter Observatory Network”, 2015AdSpR..56.2679W [ADS](#)
- Thonhofer, S., Bellot Rubio, L. R., Utz, D., Hanslmeier, A., & Jurčák, J., “Parallelization of the SIR code for the investigation of small-scale features in the solar photosphere”, 2015IAUS..305..251T [ADS](#)
- Pantschitsch, I., Amerstorfer, U., Thalmann, J. K., Hanslmeier, A., & Lemmerer, B., “Two-fluid 2.5D code for simulations of small scale magnetic fields in the lower solar atmosphere”, 2015IAUGA..2250036P [ADS](#)
- Lemmerer, B., Hanslmeier, A., Veronig, A., Muthsam, H., & Pantschitsch, I., “3D Tracking of small-scale convective upflows”, 2015IAUGA..2247142L [ADS](#)
- Zaqarashvili, T. V., Oliver, R., Hanslmeier, A., et al., “Long-term variation in the Sun’s activity caused by magnetic Rossby waves in the tachocline”, 2015ApJ...805L..14Z [ADS](#)
- Brajša, R., Verbanac, G., Sudar, D., et al., “A comparison between the observed and predicted amplitude of the 24th solar cycle”, 2015CEAB..39..135B [ADS](#)
- Utz, D., del Toro Iniesta, J. C., Bellot-Rubio, L., et al., “Long time variations of Magnetic Bright Points observed by Hinode/SOT”, 2015CEAB..39..91U [ADS](#)
- Abrevaya, X. C., Leitzinger, M., Nunez Polcher, P., et al., “The Exo-UV project : habitable stars and the characterization og UV radiation environment of extrasolar planets”, 2014spih.confE..35A [ADS](#)
- Abrevaya, X. C., Hanslmeier, A., Leitzinger, M., et al., “The BIOSUN project: an astrobiological approach to study the origin of life”, 2014RMxAC..44..144A [ADS](#)
- Lammer, H., Schiefer, S.-C., Juvan, I., et al., “Origin and Stability of Exomoon Atmospheres: Implications for Habitability”, 2014OLEB..44..239L [ADS](#)
- Leitzinger, M., Odert, P., Greimel, R., et al., “A search for flares and mass ejections on young late-type stars in the open cluster Blanco-1”, 2014MNRAS.443..898L [ADS](#)
- Tilanus, R. P. J., Krichbaum, T. P., Zensus, J. A., et al., “Future mmVLBI Research with ALMA: A European vision”, 2014arXiv1406.4650T [ADS](#)
- Lemmerer, B., Utz, D., Hanslmeier, A., et al., “Two-dimensional segmentation of small convective patterns in radiation hydrodynamics simulations”, 2014A&A..563A.107L [ADS](#)
- Utz, D., Hanslmeier, A., Bellot Rubio, L. R., Del Toro Iniesta, J. C., & Jurčák, J., “New insights into the evolution of magnetic bright point plasma parameters”, 2014cosp...40E3448U [ADS](#)
- Poljančić Beljan, I., Jurdana-Šepić, R., Čarbonja, M., et al., “An analysis of the solar differential rotation from the Kanzelhöhe sunspot drawings”, 2014CEAB..38..87P [ADS](#)
- Guttenbrunner, S., Hanslmeier, A., Utz, D., et al., “Solar Ca II K plage regions as proxies for magnetic fields of solar like stars”, 2014CEAB..38..81G [ADS](#)
- Utz, D., del Toro Iniesta, J. C., Bellot Rubio, L. R., et al., “New insights into the temporal evolution of MBPs”, 2014CEAB..38..73U [ADS](#)
- Pantschitsch, I., Amerstorfer, U., Thalmann, J., et al., “Two-Fluid 2.5D MHD-Code for Simulations in the Solar Atmosphere”, 2014CEAB..38..59P [ADS](#)
- Thonhofer, S., Bellot Rubio, L. R., Utz, D., et al., “Parallelization of the SIR code”, 2014CEAB..38..31T [ADS](#)
- Lemmerer, B., Utz, D., Hanslmeier, A., et al., “Detection of small convective patterns in observations and simulations”, 2014CEAB..38..19L [ADS](#)
- Hanslmeier, A., Lemmerer, B., Utz, D., Muller, R., & Muthsam, H., “Fractal Dimension Analysis of Solar Granulation- Boxcounting dimension”, 2014CEAB..38..11H [ADS](#)
- Kislyakova, K. G., Lammer, H., Holmström, M., et al., “XUV-Exposed, Non-Hydrostatic Hydrogen-Rich Upper Atmospheres of Terrestrial Planets. Part II: Hydrogen Coronae and Ion Escape”, 2013AsBio..13.1030K [ADS](#)
- Erkaev, N. V., Lammer, H., Odert, P., et al., “XUV-Exposed, Non-Hydrostatic Hydrogen-Rich Upper Atmospheres of Terrestrial Planets. Part I: Atmospheric Expansion and Thermal Escape”, 2013AsBio..13.1011E [ADS](#)
- Utz, D., Hanslmeier, A., Veronig, A., et al., “Variations of Magnetic Bright Point Properties with Longitude and Latitude as Observed by Hinode/SOT G-band Data”, 2013SoPh..284..363U [ADS](#)
- Utz, D., Jurčák, J., Hanslmeier, A., et al., “Magnetic field strength distribution of magnetic bright points inferred from filtergrams and spectro-polarimetric data”, 2013A&A..554A..65U [ADS](#)
- Chitta, L. P., Kariyappa, R., van Ballegooijen, A. A., et al., “Observations and Modeling of the Emerging Extreme-ultraviolet Loops in the Quiet Sun as Seen with the Solar Dynamics Observatory”, 2013ApJ...768..32C [ADS](#)
- Hanslmeier, A., Brajša, R., Čalogović, J., et al., “The chaotic solar cycle. II. Analysis of cosmogenic ¹⁰Be data”, 2013A&A..550A..6H [ADS](#)
- Hanslmeier, A.: 2013, *Faszination Astronomie* 2013fate.book.....H [ADS](#)
- Abrevaya, X. C., Hanslmeier, A., Leitzinger, M., et al., “UV Radiation of the Young Sun and its Implications for Life in the Solar System”, 2013CEAB..37..649A [ADS](#)
- Lemmerer, B., Utz, D., Hanslmeier, A., et al., “3D Image Segmentation Applied to Solar RHD Simulations”, 2013CEAB..37..477L [ADS](#)
- Thonhofer, S., Utz, D., Jurčák, J., et al., “Creating 3-dimensional Models of the Photosphere using the SIR Code”, 2013CEAB..37..471T [ADS](#)
- Utz, D., Jurčák, J., Bellot-Rubio, L., et al., “A Magnetic Bright Point Case Study”, 2013CEAB..37..459U [ADS](#)
- Hanslmeier, A., Muller, R., & Utz, D., “The Solar Convection over a Solar Cycle”, 2012ASPC..463..115H [ADS](#)
- Pribulla , T., Vařko, M., Ammler-von Eiff, M., et al., “The Dwarf project: Eclipsing binaries - precise clocks to discover exoplanets”, 2012AN....333..754P [ADS](#)
- Lammer, H., Kislyakova, K. G., Erkaev, N. V., et al., “Escape of protoatmospheres and their role in atmosphere evolution”, 2012epsc.conf..564L [ADS](#)
- Utz, D., Hanslmeier, A., Muller, R., et al., “Dependence of Velocity Distributions of Small-Scale Magnetic Fields Derived from Hinode/SOT G-band Filtergrams on the Temporal Resolution of the Used Data Sets”, 2012ASPC..454..55U [ADS](#)
- Scherf, M., Lammer, H., Leitzinger, M., et al., “Nebula-based Primordial Atmospheres of Planets Around Solar-Like Stars Revised”, 2012elbe.workE..34S [ADS](#)
- Kislyakova, K., Lammer, H., Holmström, M., et al., “The Role of Stellar Plasma Interaction in the Evolution of Earth-Like Habitats”, 2012elbe.workE..2K [ADS](#)
- Lammer, H., Kislyakova, K. G., Odert, P., et al., “Pathways to Earth-Like Nitrogen Atmospheres: Implications for the Search for Exo-Earth”, 2012elbe.workE..1L [ADS](#)
- Lammer, H., Kislyakova, K. G., Odert, P., et al., “Keynote: Pathways to Earth-Like Nitrogen Atmospheres: Implications for the Search for Exo-Earth”, 2012elbe.confE..3L [ADS](#)
- Lammer, H., Kislyakova, K. G., Odert, P., et al., “Exoplanet Upper Atmosphere Environment Characterization”, 2012IAUS..282..525L [ADS](#)
- Leitzinger, M., Odert, P., Kulikov, Y. N., et al., “Erratum to “Could CoRoT-7b and Kepler-10b be remnants of evaporated gas or ice giants?”. [Planetary and Space Science 59 (2011) 1472-1481]”, 2012P&SS...62..160L [ADS](#)
- Lammer, H., Güdel, M., Kulikov, Y., et al., “Variability of solar/stellar activity and magnetic field and its influence on planetary atmosphere evolution”, 2012EP&S..64..179L [ADS](#)
- Hanslmeier, A., “Habitability and Cosmic Catastrophes”, in *Life on Earth and other Planetary Bodies: Cellular Origin*, Vol. 24, 139–157 2012leop.book..139H [ADS](#)
- Hanslmeier, A., Kempe, S., & Seckbach, J.: 2012, *Life on Earth and other Planetary Bodies*, Vol. 24 2012leop.book.....H [ADS](#)
- Čalogović, J., Dumbović, M., Novak, N., et al., “Solar Hα and white light telescope at Hvar Observatory”, 2012CEAB..36..83C [ADS](#)
- Thonhofer, S., Utz, D., Pauritsch, J., et al., “Automated image inversion using SIR compared to MERLIN Code”, 2012CEAB..36..35T [ADS](#)
- Lemmerer, B., Utz, D., Hanslmeier, A., et al., “Segmentation of Data from Simulations and Observations - Evaluation and Outlook”, 2012CEAB..36..29L [ADS](#)
- Utz, D., Kühner, O., Hanslmeier, A., et al., “Centre to limb intensity variation of magnetic bright points”, 2012CEAB..36..17U [ADS](#)
- Muller, R., Utz, D., & Hanslmeier, A., “Non-Varying Granulation and Photospheric Network During the Extended 2007 - 2009 Solar Minimum”, 2011SoPh..274..87M [ADS](#)
- Lammer, H., Kislyakova, K. G., Odert, P., et al., “Pathways to Earth-Like Atmospheres. Extreme Ultraviolet (EUV)-Powered Escape of Hydrogen-Rich Protoatmospheres”, 2011OLEB..41..503L [ADS](#)
- Leitzinger, M., Odert, P., Ribas, I., et al., “Search for indications of stellar mass ejections using FUV spectra”, 2011A&A..536A..62L [ADS](#)
- Weingrill, J., Hanslmeier, A., & Lammer, H., “Are Active Stars Hiding Transiting Exoplanets?”, 2011epsc.conf..481W [ADS](#)
- Stöckler, R., Khodachenko, M., Topf, F., et al., “Multiversum Graz: A planetarium project”, 2011epsc.conf..324S [ADS](#)
- Kislyakova, K. G., Lammer, H., Holmström, M., et al., “Ion escape and energetic neutral atom production around EUV exposed, expanded hydrogen-rich upper atmospheres of Earth-like exoplanets”, 2011epsc.conf..130K [ADS](#)
- Lammer, H., Khodachenko, M. L., Kislyakova, K. G., et al., “Stellar activity and its influence on planetary atmosphere evolution”, 2011epsc.conf..128L [ADS](#)
- Leitzinger, M., Odert, P., Kulikov, Y. N., et al., “Could CoRoT-7b and Kepler-10b be remnants of evaporated gas or ice giants?”, 2011P&SS...59.1472L [ADS](#)
- Rybáč, J., Gömöry, P., Mačura, R., et al., “The LSO/KSO Hα prominence catalogue: cross-calibration of data”, 2011CoSka..41..133R [ADS](#)

- Jurdana-Šepić, R., Brajša, R., Wöhl, H., et al., "A relationship between the solar rotation and activity in the period 1998–2006 analysed by tracing small bright coronal structures in SOHO-EIT images", 2011A&A...534A..17J [ADS](#)
- Lammer, H., Ebly, V., Kislyakova, K. G., et al., "UV transit observations of EUV-heated expanded thermospheres of Earth-like exoplanets around M-stars: testing atmosphere evolution scenarios", 2011Ap&SS.335...39L [ADS](#)
- Lammer, H., Kislyakova, K. G., Holmström, M., et al., "Exoplanet Magnetic Field Estimation via Energetic Neutral Atoms (ENAs) and Hydrogen Cloud Observations and Modelling", 2011pre7.conf..303L [ADS](#)
- Hirtenfellner-Polanec, W., Temmer, M., Pötzi, W., et al., "Implementation of a Calcium telescope at Kanzelhöhe Observatory (KSO)", 2011CEAB...35...205H [ADS](#)
- Poljančić, I., Brajša, R., Hržina, D., et al., "Differences in heliographic positions and rotation velocities of sunspot groups from various observatories", 2011CEAB...35...59P [ADS](#)
- Kühner, O., Utz, D., Hanslmeier, A., et al., "Multiwavelength Investigations of Magnetic Bright Points", 2011CEAB...35...29K [ADS](#)
- Utz, D., Hanslmeier, A., Veronig, A., et al., "Magnetic energy estimation for small scale magnetic fields", 2011CEAB...35...19U [ADS](#)
- Hanslmeier, A.: 2011, *Water in the Universe*, Vol. 368 2011ASSL..368.....H [ADS](#)
- Bodnárová, M., Rybák, J., Hanslmeier, A., & Utz, D., "Dynamika fotosférických jasných bodov v G-pásse odvoděná použitím dvoch plne automatických algoritmov/Dynamika fotosférických jasných bodov v G-pásse odvoděná použitím dvoch plne automatických algoritmov/Dynamics of photospheric bright points in G-band derived from two fully automated algorithms.", 2010nspm.conf...25B [ADS](#)
- Odert, P., Leitzinger, M., Hanslmeier, A., et al., "Implications of stellar activity for exoplanetary atmospheres", 2010IJAoSB...9..2390 [ADS](#)
- Leitzinger, M., Odert, P., Hanslmeier, A., et al., "Spectral line enhancements as signatures for stellar activity: AD Leonis - an example", 2010IJAoS...9..235L [ADS](#)
- Weingrill, J., Lammer, H., Khodachenko, M. L., & Hanslmeier, A., "Detection of Transiting Super-Earths around Active Stars", 2010ASPC..430..556W [ADS](#)
- Odert, P., Leitzinger, M., Hanslmeier, A., et al., "M-Type Stars as Hosts for Habitable Planets", 2010ASPC..430..5150 [ADS](#)
- Leitzinger, M., Odert, P., Hanslmeier, A., et al., "Stellar Activity Characteristics at FUV and Radio Wavelengths", 2010ASPC..430..483L [ADS](#)
- Odert, P., Leitzinger, M., Lammer, H., et al., "Thermal mass-loss of exoplanets in close orbits", 2010epsc.conf..5820 [ADS](#)
- Stöckler, R., Khodachenko, M., Topf, F., et al., "Planetarium GRAZ: Project Phases and Experiences", 2010epsc.conf..109S [ADS](#)
- Khodachenko, M., Topf, F., Stöckler, R., et al., "Planetarium GRAZ - Star Theatre and Science Multimedia Centre for Public Education and Entertainment", 2010epsc.conf..86K [ADS](#)
- Wöhl, H., Brajša, R., Hanslmeier, A., & Gissot, S. F., "A precise measurement of the solar differential rotation by tracing small bright coronal structures in SOHO-EIT images. Results and comparisons for the period 1998–2006", 2010A&A...520A..29W [ADS](#)
- Lammer, H., Hanslmeier, A., Schneider, J., et al., "Exoplanet status report: Observation, characterization and evolution of exoplanets and their host stars", 2010SoSyR..44..290L [ADS](#)
- Utz, D., Hanslmeier, A., Muller, R., et al., "Dynamics of isolated magnetic bright points derived from Hinode/SOT G-band observations", 2010A&A...511A..39U [ADS](#)
- Kühner, O., Veronig, A., Utz, D., et al., "Brightness profiles and size distributions of MBPs observed in different heights by HINODE/SOT data", 2010cosp...38.2948K [ADS](#)
- Utz, D., Veronig, A., Hanslmeier, A., Muller, R., & Muthsam, H., "Magnetic field strength distribution of MBPs inferred from Hinode/SOT filtergram and spectro-polarimetric data", 2010cosp...38.2944U [ADS](#)
- Odert, P., Leitzinger, M., Hanslmeier, A., et al., "M-type stars as hosts for habitable planets: ages of nearby M dwarfs", 2010CEAB...34..1290 [ADS](#)
- Leitzinger, M., Odert, P., Hanslmeier, A., et al., "Stellar activity at FUV/Radio wavelengths", 2010CEAB...34..123L [ADS](#)
- Hanslmeier, A. & Brajša, R., "Solar activity proxies - geomagnetic variations", 2010CEAB...34..109H [ADS](#)
- Muller, R., Hanslmeier, A., & Utz, D., "Investigating the Variation of the Solar Granulation with HINODE Synoptic images", 2010CEAB...34..89M [ADS](#)
- Hanslmeier, A., Muller, R., Utz, D., & Roudier, T., "Hinode - Synoptic observations of convection dynamics", 2010CEAB...34..81H [ADS](#)
- Lemmerer, B., Hanslmeier, A., Muthsam, H., & Leitner, P., "Correlation of photospheric quantities in the ANTARES model", 2010CEAB...34..39L [ADS](#)
- Kuehner, O., Utz, D., Hanslmeier, A., et al., "Multiwavelength alignment of Hinode/SOT Data", 2010CEAB...34..31K [ADS](#)
- Bodnárová, M., Utz, D., Rybák, J., & Hanslmeier, A., "Dynamics of G-band bright points derived using two fully automated algorithms", 2010CEAB...34..25B [ADS](#)
- Utz, D., Hanslmeier, A., Veronig, A., et al., "G-band to Blue-Continuum Excess as quasi total field strength magnetogram", 2010CEAB...34..13U [ADS](#)
- Kaltenegger, L., Eiroa, C., Ribas, I., et al., "Stellar Aspects of Habitability - Characterizing Target Stars for Terrestrial Planet-Finding Missions", 2010AsBio..10..103K [ADS](#)
- Lammer, H., Selsis, F., Chassefière, E., et al., "Geophysical and Atmospheric Evolution of Habitable Planets", 2010AsBio..10..45L [ADS](#)
- Hanslmeier, A., "The Sun and Space Weather", 2010ASSP...18..233H [ADS](#)
- Hanslmeier, A. & Brajša, R., "The chaotic solar cycle. I. Analysis of cosmogenic ¹⁴C-data", 2010A&A...509A..5H [ADS](#)
- Lammer, H., Odert, P., Leitzinger, M., et al., "Determining the mass loss limit for close-in exoplanets: what can we learn from transit observations?", 2009A&A...506..399L [ADS](#)
- Leitner, J. J., Lammer, H., Odert, P., et al., "Atmospheric Loss of Sub-Neptune's and Implications for Liquid Phases of Different Solvents on Their Surfaces", 2009epsc.conf..542L [ADS](#)
- Utz, D., Hanslmeier, A., Möstl, C., et al., "The size distribution of magnetic bright points derived from Hinode/SOT observations", 2009A&A...498..289U [ADS](#)
- Brajša, R., Wöhl, H., Hanslmeier, A., et al., "On solar cycle predictions and reconstructions", 2009A&A..496..855B [ADS](#)
- Odert, P., Leitzinger, M., Hanslmeier, A., et al., "A catalogue of nearby M stars", 2009AIPC..1094..9470 [ADS](#)
- Leitzinger, M., Odert, P., Hanslmeier, A., et al., "Decametric observations of active M-dwarfs", 2009AIPC.1094..680L [ADS](#)
- Hanslmeier, A.: 2009, *Habitability and Cosmic Catastrophes* 2009hcc..book.....H [ADS](#)
- Preiss, S., Temmer, M., & Hanslmeier, A., "Triangulation of CME Source Region Locations on the Sun and Dependence on Spacecraft Observation Angles", 2009CEAB...33..125P [ADS](#)
- Brajša, R., Wöhl, H., Hanslmeier, A., et al., "A Prediction for the 24th Solar Cycle", 2009CEAB...33..95B [ADS](#)
- Leitner, P., Hanslmeier, A., Muthsam, H. J., et al., "Structure Analysis of a Model Solar Photosphere", 2009CEAB...33..69L [ADS](#)
- Hanslmeier, A., Kučera, A., Rybák, J., Wöhl, H., & Gömöry, P., "Solar Convection and Oscillation Interaction", 2009CEAB...33..51H [ADS](#)
- Hanslmeier, A., Roudier, T., Rieutord, M., & Müller, R., "Solar Convection Dynamics Derived from Long Time Series Observations", 2009CEAB...33..39H [ADS](#)
- Utz, D., Hanslmeier, A., Müller, R., et al., "Discretization Effects on the Size Distribution of Magnetic Bright Points", 2009CEAB...33..29U [ADS](#)
- Brajša, R., Wöhl, H., Hanslmeier, A., & Gissot, S. F., "On the Solar Rotation and Activity in the Years 1998 - 2003", 2008ESPM..122.114B [ADS](#)
- Utz, D., Hanslmeier, A., Müller, R., et al., "The Size Distribution of Magnetic Bright Points derived from Hinode/SOT Observations", 2008ESPM..12.2.50U [ADS](#)
- Rybák, J., Kučera, A., Hanslmeier, A., et al., "Observational Evidence for Shocks in the Solar Photosphere - New TESOS/VTT Results", 2008ESPM..12.2.36R [ADS](#)
- Hanslmeier, A., Kučera, A., Rybák, J., & Wöhl, H., "Observation of Turbulence in Solar Surface Convection: I. Line Parameter Correlations", 2008SoPh..249..293H [ADS](#)
- Brajša, R., Wöhl, H., Vršnak, B., et al., "Proper Motions of Coronal Bright Points", 2008CEAB...32..165B [ADS](#)
- Odert, P., Leitzinger, M., Hanslmeier, A., et al., "Habitability of M-type Stars - a Catalogue of Nearby M Dwarfs", 2008CEAB...32..1490 [ADS](#)
- Vogler, F., Brandt, P., Otruba, W., Pötzi, W., & Hanslmeier, A., "Defects in Some RISE/PSPT Full Disk Solar Images from Mauna Loa Solar Observatory", 2008CEAB...32..141V [ADS](#)
- Brajša, R., Mulec, M., Hanslmeier, A., et al., "Coronal Bright Points as Tracers for Solar Rotation in October-November 1999", 2008CEAB...32..117B [ADS](#)
- Muhr, M., Temmer, M., Veronig, A., Vršnak, B., & Hanslmeier, A., "Analysis of a Moreton Wave Associated with the X17.2/4B Flare/CME of 28-10-2003", 2008CEAB...32..79M [ADS](#)
- Hanslmeier, A., Müller, R., Roudier, T., & Rieutord, M., "HINODE SOT Observations - First Preliminary Analysis", 2008CEAB...32..25H [ADS](#)
- Otruba, W., Freischl, H., & Hanslmeier, A., "Kanzelhöhe Photosphere Telescope (KPT)", 2008CEAB...32..10 [ADS](#)
- Stoiser, S., Veronig, A. M., Aurass, H., & Hanslmeier, A., "RHESSI Microflares: I. X-Ray Properties and Multiwavelength Characteristics", 2007SoPh..246..339S [ADS](#)
- Muller, R., Hanslmeier, A., & Saldaña-Muñoz, M., "Variations of the granulation related to the solar cycle and with respect to its position on the solar disk", 2007A&A...475..717M [ADS](#)

- Odert, P., Leitzinger, M., Hanslmeier, A., et al., "Mass-loss of M-type stars - impact on planetary atmospheres", 2007epsc.conf..7720 [ADS](#)
- Odert, P., Leitzinger, M., Hanslmeier, A., et al., "Activity of M-type stars and its influence on planetary habitability", 2007epsc.conf..7590 [ADS](#)
- Leitzinger, M., Odert, P., Hanslmeier, A., et al., "Radio decameter observations of AD Leonis", 2007epsc.conf..693L [ADS](#)
- Hanslmeier, A.: 2007a, *The Sun and Space Weather*, Vol. 347 2007ASSL..347....H [ADS](#)
- Hanslmeier, A., "Solar Variations and Climate on Planets", 2007ASPC..370...30H [ADS](#)
- Khodachenko, M. L., Ribas, I., Lammer, H., et al., "Coronal Mass Ejection (CME) Activity of Low Mass M Stars as An Important Factor for The Habitability of Terrestrial Exoplanets. I. CME Impact on Expected Magnetospheres of Earth-Like Exoplanets in Close-In Habitable Zones", 2007AsBio..7..167K [ADS](#)
- Muller, R., Hanslmeier, A., & Saldaña-Muñoz, M., "Space and time variation of the solar granulation.", 2007MmSAI..78...71M [ADS](#)
- Kienreich, I., Hanslmeier, A., & Sosa, A., "The Joint Information System - Résumé after One Year", 2007CEAB..31..309K [ADS](#)
- Fržina, D., Roša, D., Hanslmeier, A., Ruždjak, V., & Brajša, R., "Sun-grabber - Software for Measurements on Solar Synoptic Images", 2007CEAB..31..273H [ADS](#)
- Hanslmeier, A., "Cosmic Ray Variation", 2007CEAB..31..245H [ADS](#)
- Thalmann, J. K., Veronig, A. M., Temmer, M., Vršnak, B., & Hanslmeier, A., "Analysis of the Flare Wave Associated with the 3B/X3.8 Flare of January 17, 2005", 2007CEAB..31..187T [ADS](#)
- Miklenic, C. H., Veronig, A. M., Vršnak, B., & Hanslmeier, A., "Observational Characteristics of Magnetic Reconnection in a Two-Ribbon Flare", 2007CEAB..31..39M [ADS](#)
- Mulec, M., Brajša, R., Wöhl, H., et al., "Solar Rotation Velocity Determined by Coronal Bright Points - New Data and Analysis", 2007CEAB..31..1M [ADS](#)
- Miklenic, C. H., Veronig, A. M., Vršnak, B., & Hanslmeier, A., "Reconnection and energy release rates in a two-ribbon flare", 2007A&A..461..697M [ADS](#)
- Möstl, C., Hanslmeier, A., Sobotka, M., Puschmann, K., & Muthsam, H. J., "Dynamics of Magnetic Bright Points in an Active Region", 2006SoPh..237...13M [ADS](#)
- Temmer, M., Rybák, J., Bendík, P., et al., "Hemispheric sunspot numbers R_n and R_s from 1945-2004: catalogue and N-S asymmetry analysis for solar cycles 18-23", 2006A&A..447..735T [ADS](#)
- Odert, P., Leitzinger, M., Hanslmeier, A., et al., "Activity of M-type stars - effects on planetary habitability", 2006epsc.conf..2270 [ADS](#)
- Leitzinger, M., Odert, P., Hanslmeier, A., et al., "Highly energetic activity phenomena of main-sequence stars", 2006epsc.conf..226L [ADS](#)
- Bienat, H. K., Semenov, V. S., Penz, T., et al., "Theoretical and Observational Features of Magnetic Reconnection", 2006CEAB..30...75B [ADS](#)
- Temmer, M., Rybák, J., Bendík, P., et al., "Hemispheric Sunspot Numbers 1945-2004: data merging from two observatories", 2006CEAB..30...65T [ADS](#)
- Hanslmeier, A., Kučera, A., Rybák, J., & Wöhl, H., "Acoustic Flux and Turbulence in the Solar Photosphere", 2006CEAB..30...11H [ADS](#)
- Muller, R., Saldaña-Muñoz, M., & Hanslmeier, A., "11-Year cyclic variation of the solar granulation", 2006AdSpR..38..891M [ADS](#)
- Temmer, M., Veronig, A., Rybák, J., Brajša, R., & Hanslmeier, A., "Periodical patterns in major flare occurrence and their relation to magnetically complex active regions", 2006AdSpR..38..886T [ADS](#)
- Khodachenko, M. L., Rucker, H. O., Oliver, R., Arber, T. D., & Hanslmeier, A., "On the mechanisms of MHD wave damping in the partially ionized solar plasmas", 2006AdSpR..37..447K [ADS](#)
- Kienreich, I., Hanslmeier, A., Pallé, P., & Sosa, A., "Jis - the Joint Information System", 2005ESASP.600E.159K [ADS](#)
- Temmer, M., Veronig, A., Vršnak, B., Thalmann, J., & Hanslmeier, A., "Wave Phenomena Associated with the X3.8 Flare/cme of 17-JAN-2005", 2005ESASP.600E.144T [ADS](#)
- Stoiser, S., Veronig, A. M., Brown, J. C., McTiernan, J. M., & Hanslmeier, A., "Analysis of Selected Rhessi Microflares", 2005ESASP.600E.142S [ADS](#)
- Saldaña Muñoz, M., Muller, R., & Hanslmeier, A., "Segmentation, Classification and Analysis of a Solar Granulation Image Series", 2005ESASP.600E..69S [ADS](#)
- Temmer, M., Rybák, J., Veronig, A., et al., "Hemispheric Sunspot Numbers RN and RS from 1945-2004: Extended and Improved Catalogue", 2005ESASP.600E..52T [ADS](#)
- Odert, P., Hanslmeier, A., Rybák, J., Kučera, A., & Wöhl, H., "Influence of the 5-min oscillations on solar photospheric layers. I. Quiet region", 2005A&A..444..2570 [ADS](#)
- Leitzinger, M., Brandt, P. N., Hanslmeier, A., Pötzi, W., & Hirzberger, J., "Dynamics of solar mesogranulation", 2005A&A..444..245L [ADS](#)
- Temmer, M., Rybák, J., Bendík, P., et al., "VizieR Online Data Catalog: Hemispheric Sunspot Numbers 1945-2004 (Temmer+, 2006)", 2005yCat..34470735T [ADS](#)
- Sobotka, M. & Hanslmeier, A., "Photometry of umbral dots", 2005A&A...442..323S [ADS](#)
- Puschmann, K. G., Ruiz Cobo, B., Vázquez, M., Bonet, J. A., & Hanslmeier, A., "Time series of high resolution photospheric spectra in a quiet region of the Sun. II. Analysis of the variation of physical quantities of granular structures", 2005A&A..441.1157P [ADS](#)
- Temmer, M., Rybák, J., Veronig, A., & Hanslmeier, A., "What causes the 24-day period observed in solar flares?", 2005A&A..433..707T [ADS](#)
- Hanslmeier, A., Kienreich, I., Pallé, P., & Sosa, A., "JIS - the Joint Information System", 2005HvaOB..29..329H [ADS](#)
- Hanslmeier, A. & Vázquez, M., "UV Radiation in the Solar System", 2005HvaOB..29..237H [ADS](#)
- Ruždjak, V., Ruždjak, D., Brajša, R., Temmer, M., & Hanslmeier, A., "The Two Complexes of Activity Observed in the Northern Hemisphere during 1982 and the 24-Day Periodicity of Flare Occurrence", 2005HvaOB..29..117R [ADS](#)
- Temmer, M., Veronig, A., & Hanslmeier, A., "On the Relation Between the Coronal Free Energy and Solar Flare Occurrence", 2005HvaOB..29..109T [ADS](#)
- Vogler, F. L., Brandt, P. N., Otruba, W., & Hanslmeier, A., "Solar Irradiance Variations Modelled from Ca II K Excess and Magnetic Field", 2005HvaOB..29..79V [ADS](#)
- Leitzinger, M., Brandt, P. N., Hanslmeier, A., Pötzi, W., & Hirzberger, J. K., "Dynamics of Solar Mesogranulation", 2005HvaOB..29..49L [ADS](#)
- Hanslmeier, A., "The Faint Young Sun Problem", 2005ASSL..320..267H [ADS](#)
- Temmer, M., Veronig, A., & Hanslmeier, A., "On the 24- and 155-Day Periodicity Observed in Solar H α Flares", 2005ASSL..320..211T [ADS](#)
- Vogler, F. L., Brandt, P. N., Otruba, W., & Hanslmeier, A., "Center-to-Limb Variation of Facular Contrast Derived from MLSO RISE/PSPT Full Disk Images", 2005ASSL..320..191V [ADS](#)
- , "Solar Magnetic Phenomena", 2005ASSL..320....H [ADS](#)
- Hanslmeier, A., Kucera, A., Rybák, J., & Wöhl, H., "Two-dimensional spectroscopic time series of solar granulation", 2004SoPh..223...13H [ADS](#)
- Khodachenko, M. L., Arber, T. D., Rucker, H. O., & Hanslmeier, A., "Collisional and viscous damping of MHD waves in partially ionized plasmas of the solar atmosphere", 2004A&A..422.1073K [ADS](#)
- Temmer, M., Veronig, A., Rybák, J., Brajša, R., & Hanslmeier, A., "On the 24-day period observed in solar flare occurrence", 2004SoPh..221..325T [ADS](#)
- Rybák, J., Wöhl, H., Kučera, A., Hanslmeier, A., & Steiner, O., "Indications of shock waves in the solar photosphere", 2004A&A..420.1141R [ADS](#)
- Warmuth, A., Vršnak, B., Magdalenić, J., Hanslmeier, A., & Otruba, W., "A multiwavelength study of solar flare waves. II. Perturbation characteristics and physical interpretation", 2004A&A..418.1117W [ADS](#)
- Warmuth, A., Vršnak, B., Magdalenić, J., Hanslmeier, A., & Otruba, W., "A multiwavelength study of solar flare waves. I. Observations and basic properties", 2004A&A..418.1101W [ADS](#)
- Muller, R., Saldaña-Muñoz, M., & Hanslmeier, A., "11-year cyclic variation of the solar granulation", 2004cosp..35.1944M [ADS](#)
- Temmer, M., Veronig, A., Rybák, J., Brajša, R., & Hanslmeier, A., "Periodical patterns in major flare occurrence and their relation to magnetically complex active regions", 2004cosp..35.1395T [ADS](#)
- Khodachenko, M. L., Rucker, H. O., Arber, T. D., & Hanslmeier, A., "On the mechanisms of MHD wave damping in the partially ionized solar plasmas", 2004cosp..35..975K [ADS](#)
- Veronig, A. M., Temmer, M., & Hanslmeier, A., "The solar soft X-ray background flux and its relation to flare occurrence", 2004SoPh..219..125V [ADS](#)
- Lammer, H., Ribas, I., Grießmeier, J. M., et al., "A brief history of the solar radiation and particle flux evolution", 2004HvaOB..28..139L [ADS](#)
- Khodachenko, M. L., Arber, T. D., Hanslmeier, A., & Rucker, H. O., "Comparative analysis of collisional and viscous damping of MHD waves in partially ionized solar plasmas", 2004HvaOB..28..115K [ADS](#)
- Temmer, M., Veronig, A., Rybák, J., Brajša, R., & Hanslmeier, A., "Importance of magnetically complex active regions on solar flare occurrence", 2004HvaOB..28..95T [ADS](#)
- Rybák, J., Bendík, P., Temmer, M., Veronig, A., & Hanslmeier, A., "Merging two data sets of hemispheric Sunspot Numbers", 2004HvaOB..28..63R [ADS](#)
- Odert, P., Hanslmeier, A., Rybák, J., Kučera, A., & Wöhl, H., "One-dimensional spectroscopy of the solar photosphere", 2004HvaOB..28..370 [ADS](#)
- Kučera, A., Koza, J., Bellot Rubio, L. R., et al., "Velocity field in the intergranular atmosphere", 2004HvaOB..28..19K [ADS](#)

- Saldaña-Muñoz, M., Muller, R., & Hanslmeier, A., "Variation of the solar granulation structure with the solar activity cycle", 2004HvaOB..28....9S [ADS](#)
- Hanslmeier, A., Otruba, W., & Poetzi, W., "New H α instrumentation at the Kanzelhöhe Solar Observatory", 2003ESASP.535..729H [ADS](#)
- Veronig, A., Temmer, M., & Hanslmeier, A., "Solar cycle variations of the soft X-ray background flux and its relation to flare occurrence", 2003ESASP.535..259W [ADS](#)
- Temmer, M., Veronig, A., Rybák, J., & Hanslmeier, A., "On rotational patterns of the solar magnetic field", 2003ESASP.535..157T [ADS](#)
- Puschmann, K., Vázquez, M., Bonet, J. A., Ruiz Cobo, B., & Hanslmeier, A., "Time series of high resolution photospheric spectra in a quiet region of the sun. I. Analysis of global and spatial variations of line parameters", 2003A&A...408..363P [ADS](#)
- Temmer, M., Veronig, A., & Hanslmeier, A., "Does solar flare activity lag behind sunspot activity?", 2003SoPh..215..111T [ADS](#)
- Eker, Z., Brandt, P. N., Hanslmeier, A., Otruba, W., & Wehrli, C., "Deriving effective sunspot temperatures from SOHO/VIRGO irradiance measurements. A starspot modelling approach", 2003A&A...404..1107E [ADS](#)
- Moretti, P. F., Cacciani, A., Hanslmeier, A., et al., "Full-disk magnetic oscillations in the solar photosphere", 2003A&A...403..297M [ADS](#)
- Lammer, H., Povoden, G., Selsis, F., et al., "Evolution of Titan's atmosphere", 2003EAEJA....12803L [ADS](#)
- Hanslmeier, A., "Dynamics of Small Scale Motions in the Solar Photosphere (With 4 Figures)", 2003RvMA...16...55H [ADS](#)
- Hanslmeier, A., "Space Weather - Effects of radiation on manned space missions", 2003HvaOB..27..159H [ADS](#)
- Warmuth, A., Vršnak, B., & Hanslmeier, A., "Flare waves revisited", 2003HvaOB..27..139W [ADS](#)
- Temmer, M., Veronig, A., Rybák, J., & Hanslmeier, A., "Rotational modulation of northern and southern activity tracers", 2003HvaOB..27..59T [ADS](#)
- Pötzl, W., Brandt, P. N., & Hanslmeier, A., "Variation of granular evolution at meso-scales", 2003HvaOB..27..39P [ADS](#)
- Kučera, A., Rybák, J., Hanslmeier, A., & Wöhl, H., "Observational evidence for a shock event in the solar granulation", 2003HvaOB..27..25K [ADS](#)
- Stangl, S., Sobotka, M., Bonet, J. A., Vázquez, M., & Hanslmeier, A., "Infrared photometry of a sunspot near the disk center", 2003AN....324..376S [ADS](#)
- Brécková, K., Kučera, A., Hanslmeier, A., Rybák, J., & Wöhl, H., "Dynamics and turbulence of the chromospheric layers of a flaring atmosphere", 2003AN....324..366B [ADS](#)
- Puschmann, K., Ruiz Cobo, B., Vázquez, M., Bonet, J. A., & Hanslmeier, A., "Models of a mean granular cell", 2003AN....324..352P [ADS](#)
- Koza, J., Bellot Rubio, L. R., Kučera, A., et al., "Evolution of temperature in granule and intergranular space", 2003AN....324..349K [ADS](#)
- Temmer, M., Veronig, A., Rybák, J., & Hanslmeier, A., "Cycle dependence of hemispheric activity", 2002ESASP.506..859T [ADS](#)
- Temmer, M., Veronig, A., & Hanslmeier, A., "Catalogue of hemispheric sunspot numbers R_N and R_S : 1975 - 2000", 2002ESASP.506..855T [ADS](#)
- Hanslmeier, A. & Muller, R., "Solar cycle dependent variation of solar granulation", 2002ESASP.506..843H [ADS](#)
- Hanslmeier, A., Kučera, A., Rybák, J., & Wöhl, H., "Two-dimensional spectroscopic time series of solar granulation: evolution of individual granules", 2002ESASP.506..633H [ADS](#)
- Brécková, K., Kučera, A., Hanslmeier, A., Rybák, J., & Wöhl, H., "Line intensities of chromospheric and photospheric spectra of a flare", 2002ESASP.506..557B [ADS](#)
- Stangl, S., Hanslmeier, A., Sobotka, M., Bonet, J. A., & Vázquez, M., "Infrared photometric results of a sunspot", 2002ESASP.506..473S [ADS](#)
- Koza, J., Bellot Rubio, L. R., Kučera, A., et al., "Line-of-sight velocity in a semiempirical model of a disappearing granule", 2002ESASP.506..443K [ADS](#)
- Veronig, A., Vršnak, B., Dennis, B. R., et al., "The Neupert effect and the electron-beam-driven evaporation model", 2002ESASP.506..367V [ADS](#)
- Tehrany, M. G., Lammer, H., Selsis, F., et al., "The particle and radiation environment of the early Sun", 2002ESASP.506..209T [ADS](#)
- Selsis, F., Lammer, H., Ribas, I., et al., "Radiation and particle exposure of the Martian paleoatmosphere: implications for the loss of water", 2002ESASP.518..553S [ADS](#)
- Kaltenegger, L., Karlsson, A., & Hanslmeier, A., "DARWIN: a nulling space interferometer", 2002ESASP.518..519K [ADS](#)
- Lammer, H., Hickel, A., Tehran, M. G., et al., "Simulating the early solar radiation environment: X-ray radiation damage experiments", 2002ESASP.518..469L [ADS](#)
- Hanslmeier, A., "Solar energetic phenomena and radiation hazards to biological systems", 2002ESASP.518..275H [ADS](#)
- Moretti, P. F., Cacciani, A., Hanslmeier, A., et al., "An interpretation of the I-V phase background based on observed plasma jets", 2002A&A...395..293M [ADS](#)
- Wöhl, H., Kučera, A., Rybák, J., & Hanslmeier, A., "Precise reduction of solar spectra obtained with large CCD arrays", 2002A&A...394..1077W [ADS](#)
- Veronig, A., Vršnak, B., Dennis, B. R., et al., "The Neupert effect in solar flares and implications for coronal heating", 2002ESASP.505..599V [ADS](#)
- Temmer, M., Veronig, A., & Hanslmeier, A., "Hemispheric asymmetry of solar activity phenomena: north-south excesses rotational periods and their links to the magnetic field", 2002ESASP.505..587T [ADS](#)
- Koza, J., Kučera, A., Hanslmeier, A., Rybák, J., & Wöhl, H., "Temporal evolution of physical parameters in granule", 2002ESASP.505..457K [ADS](#)
- Brécková, K., Kučera, A., Hanslmeier, A., Rybák, J., & Wöhl, H., "Dynamic coupling of the chromospheric and photospheric flaring plasma", 2002ESASP.505..357B [ADS](#)
- Vršnak, B., Warmuth, A., Brajsa, R., & Hanslmeier, A., "Flare waves observed in Helium I 10 830 Å. A link between H α Moreton and EIT waves", 2002A&A...394..299V [ADS](#)
- Kučera, A., Hanslmeier, A., Rybák, J., & Wöhl, H., "High-resolution CCD spectra reduction: temporal changes of the flat-field compensation", 2002NCimC..25..703K [ADS](#)
- Veronig, A., Vršnak, B., Dennis, B. R., et al., "Investigation of the Neupert effect in solar flares. I. Statistical properties and the evaporation model", 2002A&A...392..699V [ADS](#)
- Veronig, A., Vršnak, B., Temmer, M., & Hanslmeier, A., "Relative timing of solar flares observed at different wavelengths", 2002SoPh..208..297V [ADS](#)
- Temmer, M., Veronig, A., & Hanslmeier, A., "Hemispheric Sunspot Numbers R_n and R_s : Catalogue and N-S asymmetry analysis", 2002A&A...390..707T [ADS](#)
- Hanslmeier, A.: 2002, *The Sun and Space Weather*, Vol. 277 2002ASSL..277....H [ADS](#)
- Temmer, M., Veronig, A., & Hanslmeier, A., "VizieR Online Data Catalog: Hemispheric Sunspot Numbers 1975-2000 (Temmer+, 2002)", 2002yCat..33900707T [ADS](#)
- Hanslmeier, A., Messerotti, M., & Veronig, A., "Book Review: *The Dynamic sun* /Kluwer, 2001", 20020obs...122..115H [ADS](#)
- Warmuth, A., Vršnak, B., Aurass, H., & Hanslmeier, A., "Moreton waves and their relation with EIT waves", 2002ESASP.477..195W [ADS](#)
- Veronig, A., Temmer, M., Hanslmeier, A., et al., "Temporal characteristics of solar soft X-ray and H α flares", 2002ESASP.477..187V [ADS](#)
- Temmer, M., Veronig, A., Hanslmeier, A., Otruba, W., & Messerotti, M., "Soft X-ray flares for the period 1975-2000", 2002ESASP.477..175T [ADS](#)
- Moretti, P. F., Andretta, V., Cacciani, A., et al., "Simultaneous H α and sodium observations at the Kanzelhöhe Solar Observatory", 2002ESASP.477..147M [ADS](#)
- Veronig, A., Temmer, M., Hanslmeier, A., Otruba, W., & Messerotti, M., "Temporal aspects and frequency distributions of solar soft X-ray flares", 2002A&A...382..1070V [ADS](#)
- Hanslmeier, A., "JOSO national report 1999-2001 - Austria", in Joint Organization for Solar Observations, Annual Report 2000/2001, 22–24 2002joso.book....22H [ADS](#)
- Hanslmeier, A.: 2002b, *Einführung in Astronomie und Astrophysik* 2002eaua.book....H [ADS](#)
- Veronig, A., Temmer, M., & Hanslmeier, A., "Frequency Distributions of solar Flares", 2002HvaOB..26....7V [ADS](#)
- Stangl, S. & Hanslmeier, A., "Cork Map and Divergence Map of an Active Region", 2002HvaOB..26....1S [ADS](#)
- Hanslmeier, A., "Proceedings, annual meeting of Austrian astronomers, 3-4 May 2002, Graz", 2002HvaOB..26....H [ADS](#)
- Thejll, P., Ulla, A., Hanslmeier, A., et al., "Earthshine: A Proposal To Build An Automatic System For Observing Terrestrial Albedo.", 2002EGSGA..27..4058T [ADS](#)
- Tehrany, M. G., Lammer, H., Hanslmeier, A., et al., "Erosion and Sublimation Effects On Mercury's Surface: Past and Present", 2002EGSGA..27..1903T [ADS](#)
- Hirzberger, J., Bonet, J. A., Sobotka, M., Vázquez, M., & Hanslmeier, A., "Fine structure and dynamics in a light bridge inside a solar pore", 2002A&A...383..275H [ADS](#)
- Warmuth, A., Vršnak, B., Aurass, H., & Hanslmeier, A., "Evolution of Two EIT/H α Moreton Waves", 2001ApJ...560L..105W [ADS](#)
- Temmer, M., Veronig, A., Hanslmeier, A., Otruba, W., & Messerotti, M., "Statistical analysis of solar H α flares", 2001A&A...375..1049T [ADS](#)
- Moretti, P. F., Cacciani, A., Hanslmeier, A., et al., "The source of the solar oscillations: Convective or magnetic?", 2001A&A...372..1038M [ADS](#)
- Veronig, A., Hanslmeier, A., & Messerotti, M., "Comparison of Local and Global Fractal Dimension Determination Methods", 2001ASSL..259..315V [ADS](#)
- Steinberger, M., Hanslmeier, A., Otruba, W., et al., "Modeling VIRGO Spectral and Bolometric Irradiances with MDI Data", 2001ASSL..259..283S [ADS](#)

- Hirzberger, J., Hanslmeier, A., Bonet, J. A., & Vázquez, M., "High Resolution Observations of a Photospheric Light Bridge", 2001ASSL..259..271H [ADS](#)
- Hanslmeier, A., Kučera, A., Rybák, J., & Wöhl, H., "The Location of Solar Oscillations in the Photosphere", 2001ASSL..259..267H [ADS](#)
- Warmuth, A., Hanslmeier, A., Messerotti, M., et al., "Observations of NOAA 8210 Using MOF and DHC of Kanzelhöhe Solar Observatory", 2001ASSL..259..259W [ADS](#)
- Moretti, P. F., Cacciani, A., Messerotti, M., Hanslmeier, A., & Otruba, W., "Coincidences between Magnetic Oscillations and Hα Bright Points", 2001ASSL..259..243M [ADS](#)
- Steinegger, M., Veronig, A., Hanslmeier, A., Messerotti, M., & Otruba, W., "Solar Activity Monitoring and Flare Alerting at Kanzelhöhe Solar Observatory", 2001ASSL..259..227S [ADS](#)
- Pötzi, W., Hanslmeier, A., & Brandt, P. N., "Computational Methods concerning the Solar Granulation", 2001ASSL..259..223P [ADS](#)
- Pikalov, K. N. & Hanslmeier, A., "Deconvolutions and Power Spectra of Solar Granulation", 2001ASSL..259..219P [ADS](#)
- , "The Dynamic Sun", 2001ASSL..259....H [ADS](#)
- Messerotti, M., Zlobec, P., Veronig, A., & Hanslmeier, A., "Radio Pulsations in the m-dm Band: Case Studies", 2001pre5.conf..471M [ADS](#)
- Schaffenberger, W., Hanslmeier, A., & Messerotti, M., "A Lattice Gas Model for Twodimensional Boussinesq Convection", 2001HvaOB..25...49S [ADS](#)
- Veronig, A., Vršnak, B., Temmer, M., Magdalenić, J., & Hanslmeier, A., "Statistical Study of Solar Flares Observed in Soft X-Ray, Hard X-Ray and Hα Emission", 2001HvaOB..25...39V [ADS](#)
- Steinegger, M., Denker, C., Goode, P. R., et al., "The new global high-resolution Hα network: preliminary results on the chromospheric differential rotation", 2001ESASP.464..315S [ADS](#)
- Steinegger, M., Veronig, A., Hanslmeier, A., Messerotti, M., & Otruba, W., "A Neural Network Approach to Solar Flare Alerting (CD-ROM Directory: contribs/steinegg)", 2001ASPC..223.1165S [ADS](#)
- Hanslmeier, A., Kučera, A., Rybák, J., & Wöhl, H., "Dynamics of the Upper Photosphere: Coherence and Phase Analysis (CD-ROM Directory: contribs/hanslmei)", 2001ASPC..223..669H [ADS](#)
- Sobotka, M., Vázquez, M., Sánchez Cuberes, M., Bonet, J. A., & Hanslmeier, A., "Infrared Photometry of Solar Photospheric Structures. I. Active Regions at the Center of the Disk", 2000ApJ...544.1155S [ADS](#)
- Gadun, A. S., Hanslmeier, A., Kučera, A., Rybák, J., & Wöhl, H., "Correlative relationships in an inhomogeneous solar atmosphere", 2000A&A...363..289G [ADS](#)
- Gadun, A. S., Hanslmeier, A., Pikalov, K. N., et al., "Size-dependent properties of simulated 2-D solar granulation", 2000A&AS..146..267G [ADS](#)
- Messerotti, M., Otruba, W., & Hanslmeier, A., "Evaluation of a low-end architecture for collaborative software development, remote observing, and data analysis from multiple sites", 2000SPIE.4011..11M [ADS](#)
- Warmuth, A., Hanslmeier, A., Messerotti, M., et al., "NOAA AR 8210: Evolution and Flares from Multiband Diagnostics", 2000SoPh..194..103W [ADS](#)
- Varsik, J. R., Steinegger, M., Denker, C., et al., "First Observations with the Global High-Resolution H-alpha Network", 2000SPD...3102108V [ADS](#)
- Veronig, A., Messerotti, M., & Hanslmeier, A., "Determination of fractal dimensions of solar radio bursts", 2000A&A...357..337V [ADS](#)
- Hanslmeier, A., Kučera, A., Rybák, J., Neunteufel, B., & Wöhl, H., "Dynamics of the upper solar photosphere", 2000A&A...356..308H [ADS](#)
- Gadun, A. S. & Hanslmeier, A., "Fe II lines in the problem of the diagnostic of solar photospheric shocks", 2000KFNT...16..130G [ADS](#)
- Gadun, A. S. & Hanslmeier, A., "Correlative analysis of 2-D solar atmosphere", 2000KFNT...16..121G [ADS](#)
- Veronig, A., Messerotti, M., & Hanslmeier, A., "Applications of nonlinear time series analysis in solar physics", 2000swms.work...41V [ADS](#)
- Hanslmeier, A., "Institut für Geophysik, Astrophysik und Meteorologie der Universität Graz. Bereich Astrophysik. Sonnenobservatorium Kanzelhöhe. Jahresbericht für 1999.", 2000MitAG..83..359H [ADS](#)
- Veronig, A., Steinegger, M., Otruba, W., et al., "Automatic Image Processing in the Frame of a Solar Flare Alerting System", 2000HvaOB..24..195V [ADS](#)
- Temmer, M., Veronig, A., Hanslmeier, A., et al., "Statistical Properties Relevant to Solar Flare Prediction", 2000HvaOB..24..185T [ADS](#)
- Steinegger, M., Hanslmeier, A., Otruba, W., et al., "An Overview of the New Global High-Resolution H-alpha Network", 2000HvaOB..24..179S [ADS](#)
- Kucera, A., Brückova, A. K., Hanslmeier, A., Rybák, J., & Wöhl, H., "Spectral Statistics of Fe I and Ca II K Lines in the Quiet and Active Solar Atmosphere", 2000HvaOB..24..111K [ADS](#)
- Hanslmeier, A., Kucera, A., Rybák, J., & Wöhl, H., "Two Dimensional Spectral Time Series", 2000HvaOB..24..81H [ADS](#)
- Steinegger, M., Denker, C., Goode, P. R., et al., "The New Global High-Resolution Hα Network: First Observations and First Results", 2000ESASP.463..617S [ADS](#)
- Veronig, A., Steinegger, M., Otruba, W., et al., "Automatic Image Segmentation and Feature Detection in Solar Full-Disk Images", 2000ESASP.463..455V [ADS](#)
- Poetzl, W., Hanslmeier, A., & Brandt, P. N., "Granular Evolution from 2D (x,t)-Slices and from Tracking Granules", 2000ESASP.463..407P [ADS](#)
- Moretti, P. F., Cacciani, A., Hanslmeier, A., Messerotti, M., & Otruba, W., "Local and Global Magnetic Oscillations in the Photosphere", 2000ESASP.463..381M [ADS](#)
- Kucera, A., Brückova, K., Hanslmeier, A., Rybák, J., & Wöhl, H., "Fe I and Ca II K Lines in Quiet and Active Regions", 2000ESASP.463..357K [ADS](#)
- Hanslmeier, A., Kucera, A., Rybák, J., & Wöhl, H., "3-D Tomography of the Solar Photosphere", 2000ESASP.463..333H [ADS](#)
- Hirzberger, J., Bonet, J. A., Vázquez, M., & Hanslmeier, A., "Time Series of Solar Granulation Images. III. Dynamics of Exploding Granules and Related Phenomena", 1999ApJ...527..405H [ADS](#)
- Messerotti, M., Otruba, W., & Hanslmeier, A., "An Effective, Low-Cost Architecture for Remote Observing and Distributed Data Analysis Over the WAN", 1999ASPC..184..324M [ADS](#)
- Kucera, A., Rybák, J., Wöhl, H., & Hanslmeier, A., "Fiber Optics Device for Solar Spectroscopy - First Measurements", 1999ASPC..184..319K [ADS](#)
- Sobotka, M., Vázquez, M., Bonet, J. A., & Hanslmeier, A., "Interaction of Convective Structures with the Magnetic Field of Solar Pores", 1999ASPC..184..60S [ADS](#)
- Hirzberger, J., Bonet, J. A., Vázquez, M., & Hanslmeier, A., "Time Series of Solar Granulation Images. II. Evolution of Individual Granules", 1999ApJ...515..441H [ADS](#)
- Veronig, V. M., Messerotti, M., & Hanslmeier, A., "Nonlinear Measures: an Application to Solar Radio Bursts", 1999joso.proc..186V [ADS](#)
- Steinegger, M., Brandt, P. N., Eker, Z., Hanslmeier, A., & Otruba, W., "Starspot modelling approach of the solar irradiance variability as measured by SOHO/VIRGO.", 1999joso.proc..160S [ADS](#)
- Mühlmann, W., Hanslmeier, A., & Brandt, P. N., "Searching for mesogranulation - problems and possible methods.", 1999joso.proc..145M [ADS](#)
- Messerotti, M., Otruba, W., Warmuth, A., et al., "The solar surveillance program at the Kanzelhöhe Solar Observatory: new facilities for high speed digital imaging and dynamic event tracking", 1999WPP...155..321M [ADS](#)
- Hanslmeier, A., Denkmayr, K., & Weiss, P., "Longterm Prediction of Solar Activity Using the Combined Method", 1999SoPh..184..213H [ADS](#)
- Hanslmeier, A., "Institut für Astronomie, Universität Graz. Sonnenobservatorium Kanzelhöhe. Jahresbericht für 1998.", 1999MitAG..82..347H [ADS](#)
- Hanslmeier, A., Veronig, M., Steinegger, M., et al., "Solar Activity Monitoring - a New Approach Using Combined Datasets, Pattern Recognition and Neural Networks", 1999HvaOB..23...31H [ADS](#)
- Sobotka, M., Vázquez, M., Bonet, J. A., Hanslmeier, A., & Hirzberger, J., "Temporal Evolution of Fine Structures in and around Solar Pores", 1999ApJ...511..436S [ADS](#)
- Cacciani, A., Moretti, P. F., Messerotti, M., et al., "The Magneto-Optical Filter at Kanzelhöhe", 1999ASSL..239..271C [ADS](#)
- Schaffenberger, W., Hanslmeier, A., & Messerotti, M., "Cellular Automata Models for Convection", 1999ASSL..239..267S [ADS](#)
- Veronig, A., Hanslmeier, A., & Messerotti, M., "Localized Measures of Solar Radio Bursts", 1999ASSL..239..255V [ADS](#)
- Puschmann, K., Hanslmeier, A., & Solanki, S. K., "Solar Line Bisectors in the Infrared", 1999ASSL..239..227P [ADS](#)
- Mühlmann, W., Hanslmeier, A., & Brandt, P. N., "Some Properties of the Solar Granulation and Mesogranulation", 1999ASSL..239..223M [ADS](#)
- Otruba, W., Brandt, P. N., Eker, Z., Hanslmeier, A., & Steinegger, M., "Modelling of Solar Irradiance Variations", 1999ASSL..239..213O [ADS](#)
- Steinegger, M. & Hanslmeier, A., "Synoptic Photometric Full-Disk Observations at Kanzelhöhe Solar Observatory", 1999ASSL..239..209S [ADS](#)
- , "Motions in the Solar Atmosphere", 1999ASSL..239....H [ADS](#)
- Hirzberger, J., Hanslmeier, A., Bonet, J., & Vázquez, M., "Time Evolution of Solar Granulation", 1999ASPC..183..507H [ADS](#)
- Hanslmeier, A., Bonet, J., & Vázquez, M., "Time Series of Solar Photospheric Spectrograms Bisector Analysis", 1999ASPC..183..479H [ADS](#)
- Hirzberger, J., Bonet, J. A., Vázquez, M., Hanslmeier, A., & Sobotka, M., "Granulation in active regions as compared to quiet regions", 1999AGAb...15..88H [ADS](#)
- Ploner, S. R. O., Solanki, S. K., Gadun, A. S., & Hanslmeier, A., "Temporal Evolution of Artificial Solar Granules", 1998SSRv...85..261P [ADS](#)
- Ploner, S. R. O., Solanki, S. K., Gadun, A. S., & Hanslmeier, A., "Temporal Evolution of Artificial Solar Granules", 1998sce..conf..261P [ADS](#)
- Veronig, A., Messerotti, M., & Hanslmeier, A., "Determining fractal dimensions of solar radio bursts", 1998joso.proc..166V [ADS](#)
- Veronig, A., Messerotti, M., Hanslmeier, A., & Rucker, H. O., "Determination of Local Pointwise Dimensions for Solar Radio Bursts", 1998cee..workE..66V [ADS](#)
- Hanslmeier, A., "Institut für Astronomie, Universität Graz. Sonnenobservatorium Kanzelhöhe. Jahresbericht für 1997.", 1998MitAG..81..307H [ADS](#)

- Cacciani, A., Hanslmeier, A., Messerotti, M., et al., "RODOMA: The Rome network for Doppler and magnetic oscillations", 1998ESASP..418..131C [ADS](#)
- Steinegger, M. & Hanslmeier, A., "A Photometric Full-Disk Telescope for Kanzelhöhe Solar Observatory", 1998ASPC..155..270S [ADS](#)
- Cacciani, A., Comari, M., Furlani, S., et al., "A MOF-based full vector imaging magnetograph", 1998ASPC..155..265C [ADS](#)
- Cacciani, A., di Martino, V., Hanslmeier, A., et al., "Case studies of magnetic topology evolution in active regions", 1998ASPC..155..229C [ADS](#)
- Nesis, A., Hammer, R., Hanslmeier, A., et al., "Dynamics of the solar granulation. IV. Granular shear flow.", 1997A&A...326..851N [ADS](#)
- Grassmugg, M., Hanslmeier, A., & Laback, O., "A Solar $\alpha - \omega$ Dynamo Study and its Transition to Chaos", 1997SoPh..174..437G [ADS](#)
- Schaffenberger, W., Hanslmeier, A., & Messerotti, M., "Simulating convection with cellular automata.", 1997AGAb..13..175S [ADS](#)
- Gadun, A. S. & Hanslmeier, A., "Asymmetry and line-parameter variations in granular-intergranular regions in 2D artificial granulation", 1997KFNT..13c..24G [ADS](#)
- Hirzberger, J., Vázquez, M., Bonet, J. A., Hanslmeier, A., & Sobotka, M., "Time Series of Solar Granulation Images. I. Differences between Small and Large Granules in Quiet Regions", 1997ApJ...480..406H [ADS](#)
- Gadun, A. S., Hanslmeier, A., & Pikalov, K. N., "Bisectors and line-parameter variations over granular and intergranular regions in 2-D artificial granulation.", 1997A&A...320..1001G [ADS](#)
- Veronig, A., Messerotti, M., & Hanslmeier, A., "Nonlinear Analysis of Solar Radio Events: A Preliminary Approach", 1997pre4.conf..463V [ADS](#)
- Schaffenberger, W., Hanslmeier, A., & Messerotti, M., "Simulation of solar convection with cellular automata - first results.", 1997joso.proc...82S [ADS](#)
- Grassmugg, M., Hanslmeier, A., & Laback, O., "A solar $\alpha - \omega$ dynamo and its transition to chaos.", 1997joso.proc...62G [ADS](#)
- Schaffenberger, W. & Hanslmeier, A., "On the Influence of Supernova Shock-fronts on the Stability of the Solar System", 1997dbps.conf..393S [ADS](#)
- Hanslmeier, A., "Die österreichische Teilnahme am Projekt SOHO.", 1997Sterb..40..106H [ADS](#)
- Hanslmeier, A., "Institut für Astronomie, Universität Graz, Sonnenobservatorium Kanzelhöhe. Jahresbericht für 1996.", 1997MitAG..80..277H [ADS](#)
- Gadun, A. S. & Hanslmeier, A., "Variations of line parameters and bisectors over granular-intergranular regions in the 2-D artificial solar granulation.", 1997KPCB..13c..17G [ADS](#)
- Steinegger, M. & Hanslmeier, A., "Photometric Observations of the Solar Atmosphere in Several Waveleengths at Kanzelhoehe Solar Observatory", 1997HvaOB..21..115S [ADS](#)
- Hanslmeier, A., "Non Linear Dynamics in Solar Physics", 1997HvaOB..21..77H [ADS](#)
- Mühlmann, W., Hanslmeier, A., & Brandt, P. N., "Some properties of the solar granulation and mesogranulation.", 1997AGAb..13..166M [ADS](#)
- Steinegger, M. & Hanslmeier, A., "A new telescope for photometric full-disk observations of the Sun.", 1997AGAb..13..165S [ADS](#)
- Veronig, A., Messerotti, M., & Hanslmeier, A., "Non-linear analysis of the dynamics of solar radio events.", 1996AGAb..12..165V [ADS](#)
- Schaffenberger, W., Hanslmeier, A., & Messerotti, M., "A celluarle automaton for modelling the convection.", 1996AGAb..12..162S [ADS](#)
- Mühlmann, W., Hanslmeier, A., & Brandt, P. N., "Properties of the solar granulation and the mesogranulation.", 1996AGAb..12..161M [ADS](#)
- Hirzberger, J., Bonet, J. A., Hanslmeier, A., Vázquez, M., & Sobotka, M., "Time evolution of solar granulation phenomena.", 1996AGAb..12..160H [ADS](#)
- Mühlmann, W. & Hanslmeier, A., "Image Compression by Means of Wavelet Transform - Application to Solar Observations", 1996SoPh..166..445M [ADS](#)
- Nesis, A., Hammer, R., Hanslmeier, A., et al., "Dynamics of the solar granulation. V. The intergranular space.", 1996A&A...310..973N [ADS](#)
- Hanslmeier, A., "Institut für Astronomie, Universität Graz, Sonnenobservatorium Kanzelhöhe. Jahresbericht für 1995.", 1996MitAG..79..299H [ADS](#)
- Sobotka, M., Bonet, J. A., Vázquez, M., & Hanslmeier, A., "On the Dynamics of Bright Features in Sunspot Umbrae", 1995ApJ...447L.133S [ADS](#)
- Nesis, A., Hammer, R., Hanslmeier, A., et al., "Dynamics of the solar granulation. III. Fractional diffusion.", 1995A&A...296..210N [ADS](#)
- Hanslmeier, A., "Institut für Astronomie, Universität Graz, Sonnenobservatorium Kanzelhöhe. Jahresbericht für 1994.", 1995MitAG..78..245H [ADS](#)
- Puschmann, K., Hanslmeier, A., & Solanki, S. K., "Solar line bisectors in the infrared", 1995IAUS..176P.117P [ADS](#)
- Hirzberger, J., Hanslmeier, A., Bonet, J. A., & Vázquez, M., "Area and intensity distribution in solar granulation", 1995IAUS..176P.114H [ADS](#)
- Breger, M., Dorfi, E. A., Hron, J., et al., "Austrian astronomy today: a joint research initiative in stellar astrophysics", 1995IAUS..176P..4B [ADS](#)
- Hanslmeier, A., Nesis, A., & Mattig, W., "Dynamics of the solar granulation: bisector analysis", 1994A&A...288..960H [ADS](#)
- Hanslmeier, A. & Nesis, A., "Non linear dynamics of the solar granulation: a first approach", 1994A&A...286..263H [ADS](#)
- Hanslmeier, A., "On the Onset of Secondary Motions in the Higher Solar Photosphere", 1994swms.conf...15H [ADS](#)
- Nesis, A., Hammer, R., & Hanslmeier, A., "Fractal Behavior of the Solar Granular Velocity", 1994smf..conf..288N [ADS](#)
- Nesis, A., Hammer, R., & Hanslmeier, A., "The Dynamics of the Solar Granulation Investigated by Fractal Statistics", 1994ASPC..64..655N [ADS](#)
- Jordan, K. & Hanslmeier, A., "Aspects of turbulent convection in stars.", 1994AGAb..10..120J [ADS](#)
- Grassmugg, M., Hanslmeier, A., & Laback, O., "The solar dynamo - applications to stars.", 1994AGAb..10..119G [ADS](#)
- Mühlmann, W. & Hanslmeier, A., "Datacompression unsing wavelets.", 1994AGAb..10..118M [ADS](#)
- Hirzberger, J. & Hanslmeier, A., "Solar granulation models - comparison with observations.", 1994AGAb..10..115H [ADS](#)
- Hanslmeier, A., Bonet, J. A., & Vázquez, M., "Spatially highly resolved time series of solar granulation spectra.", 1994AGAb..10..114H [ADS](#)
- Nesis, A., Hanslmeier, A., Hammer, R., et al., "Dynamics of the solar granulation.", 1993A&A...279..599N [ADS](#)
- Nesis, A., Hammer, R., & Hanslmeier, A., "Fractal Distributions of the Intensity and Velocity Variations of the Solar Granulation", 1993BAAS...25.1184N [ADS](#)
- Hanslmeier, A., Nesis, A., & Mattig, W., "Dynamics of the solar granulation - Coherence of line parameters and their variation with the height", 1993A&A...270..516H [ADS](#)
- Hanslmeier, A., Farnberger, H. J., & Mathelitsch, L., "Statische Simulation von Sternentstehung durch Gravitationskollaps.", 1993Stern..69..131H [ADS](#)
- Nesis, A., Hanslmeier, A., Hammer, R., et al., "Rapid Variations in the Intergranular Space", 1993ASPC..46..222N [ADS](#)
- Hanslmeier, A., Mattig, W., & Nesis, A., "Coherence Analysis of Photospheric Line Parameters in Active and Non-Active Solar Regions", 1993ASPC..46..36H [ADS](#)
- Nesis, A., Bogdan, T. J., Cattaneo, F., et al., "Evidence for Transonic Flows in the Solar Granulation", 1992ApJ...399L..99N [ADS](#)
- Nesis, A., Hanslmeier, A., Hammer, R., et al., "What are the Boundaries of Solar Granules?", 1992AAS...180.5109N [ADS](#)
- Hanslmeier, A., "Die turbulente Sonnenoberfläche.", 1992Sterb..35..126H [ADS](#)
- Nesis, A., Hanslmeier, A., Hammer, R., Mattig, R. K. W., & Staiger, J., "Solar Granulation Spectroscopy: Dynamics of the Intergranular Space", 1992ASPC..26..181N [ADS](#)
- Hanslmeier, A., Mattig, W., & Nesis, A., "Bisector; Line Parameter Variation Over a Single Solar Granulum", 1992ASPC..26..168H [ADS](#)
- Nesis, A., Hanslmeier, A., Hammer, R., et al., "Dynamics of the solar granulation. I - A phenomenological approach", 1992A&A...253..561N [ADS](#)
- Hanslmeier, A., "Die Feinstruktur der Sonnengranulation.", 1991S&W..30..724H [ADS](#)
- Hanslmeier, A., Mattig, W., & Nesis, A., "Selected examples of bisector and line parameter variation over a granular-intergranular region", 1991A&A...251..669H [ADS](#)
- Hanslmeier, A., Nesis, A., & Mattig, W., "The variation of the solar granulation structure in active and non-active regions", 1991A&A...251..307H [ADS](#)
- Hanslmeier, A., Mattig, W., & Nesis, A., "Granular and intergranular line profiles in solar active and quiet regions", 1991A&A...248..232H [ADS](#)
- Hanslmeier, A., Mattig, W., & Nesis, A., "High spatial resolution solar photospheric line observations in Ca(+)-active regions", 1991A&A...244..521H [ADS](#)
- Nesis, A., Hanslmeier, A., Hammer, R., et al., "Granulation Spectroscopy: First Results from VTT-Tenerife", 1991BAAS...23R1048N [ADS](#)
- Nesis, A., Hanslmeier, A., Hammer, R., Komm, R., & Mattig, W., "On the Dynamics of Granulation in Active Regions and the Heating Problem (With 2 Figures)", 1991mcch.conf..36N [ADS](#)
- , "Spatially highly resolved line parameters in active and non active regions.", 1991joso.proc....H [ADS](#)
- Hanslmeier, A. & Mattig, W., "A comparison of velocity and intensity power spectra in Ca active and non active regions", 1991AdSpR..11e..263H [ADS](#)
- Hanslmeier, A., Mattig, W., & Nesis, A., "High spatial resolution observations of some solar photospheric line profiles", 1990A&A...238..354H [ADS](#)
- Hanslmeier, A. & Mattig, W., "Line asymmetries in Ca-active regions", 1990Ap&SS.170..51H [ADS](#)
- Hanslmeier, A., Wittmann, A. D., & Mattig, W., "Observations of Line Asymmetries with a 2-D Diode Array", 1990Ap&SS.170..47H [ADS](#)
- Nesis, A., Hanslmeier, A., Hammer, R., Komm, R., & Mattig, W., "The Influence of the Granulation on the Absorption Lines I. Nonactive Regions", 1990PDHO....7..108N [ADS](#)

- Hanslmeier, A. & Mattig, W., "Influence of Magnetic Fields on Temperature Inhomogeneities", 1990PDHO...7..102H [ADS](#)
- Hanslmeier, A. & Mattig, W., "On the line asymmetry distribution in solar Ca active and non active regions.", 1990AGAb...5..39H [ADS](#)
- Nesis, A., Hanslmeier, A., Hammer, R., Komm, R., & Mattig, W., "The decay process of the granulation and its influence on the absorption lines.", 1990AGAb...5..33N [ADS](#)
- Muenzer, H., Schröter, E. H., Wöhl, H., & Hanslmeier, A., "Pole-equator-difference of the size of the chromospheric CA II-K-network in quiet and active solar regions", 1989A&A...213..431M [ADS](#)
- Hanslmeier, A., Mattig, W., & Nesis, A., "Dependence of solar line bisectors on equivalent widths.", 1989sasf.confP.251H [ADS](#)
- Hanslmeier, A. & Stangl, M., "Verlauf der Gesamthelligkeit des Mondes während der totalen Mondfinsternis vom 17. August 1989.", 19890AWMN.126..109H [ADS](#)
- Münzer, H., Hanslmeier, A., Schröter, E. H., & Wöhl, H., "Pole-Equator-Difference of the Size of the Chromospheric Ca II-K Network in Quiet and Active Solar Regions", 1989ASIC..263..217M [ADS](#)
- Mattig, W., Hanslmeier, A., & Nesis, A., "Granulation Line Asymmetries", 1989ASIC..263..187M [ADS](#)
- Hanslmeier, A. & Wittmann, A., "High Resolution Granulation Spectroscopy with a 100x100 RETICON", 1989AGAb...3..11H [ADS](#)
- Hanslmeier, A., "Mass Flow Measurements around a Sunspot", 1989AGAb...3..8H [ADS](#)
- Hanslmeier, A. & Mattig, W., "Intensity-Velocity Correlation in active and non-active solar areas", 1989AGAb...3..7H [ADS](#)
- Pfleiderer, J., Pfleiderer, M., & Hanslmeier, A., "Photoelectric five-colour photometry of the asteroids 16 Psyche, 201 Penelope and 702 Alauda", 1987A&AS..69..117P [ADS](#)
- Lustig, G. & Hanslmeier, A., "Meridional motions of sunspots from 1947.9 to 1985.0. II - Latitude motions dependent on SPOT type and phase of the activity cycle", 1987A&A..172..332L [ADS](#)
- Strassmeier, K. G., Weichinger, S., & Hanslmeier, A., "H-alpha and LiI Observations of the RS CVn Type Binaries: sigma Gem, alpha Aur, 93 Leo and HR 6469", 1986IBVS.2937..1S [ADS](#)
- Hanslmeier, A., "Das Problem der Sonnenneutrinos.", 1986Stern..62..139H [ADS](#)
- Hanslmeier, A., Lustig, G., & Wöhl, H., "Rotation und meridionale Strömungen auf der Sonne", 1986MitAG..67..285H [ADS](#)
- Pfleiderer, M. & Hanslmeier, A., "Lichtelektrische Photometrie dreier Kleinplaneten", 1986MitAG..67..275P [ADS](#)
- Hanslmeier, A. & Lustig, G., "Meridional motions of sunspots from 1947.9-1985.0. I - Latitude drift at the different solar-cycles", 1986A&A..154..227H [ADS](#)
- Zappala, V., Martino, M. D., Hanslmeier, A., & Schober, H. J., "New cases of ambiguity among large asteroids' spin rates", 1985A&A..147..35Z [ADS](#)
- Hanslmeier, A., "Geisterteilchen von der Sonne: Sonnen-Neutrinos.", 1985Sterb..28..202H [ADS](#)
- Hanslmeier, A. & Denzel, R., "Photoelektrische Photometrie den Kleinplaneten 115 Thyla.", 19850AWMN.122..151H [ADS](#)
- Hanslmeier, A., "Application of Lie Series to Regularized Problems in Celestial Mechanics", 1984CeMec..34..135H [ADS](#)
- Hanslmeier, A. & Dvorak, R., "Numerical Integration with Lie Series", 1984A&A..132..203H [ADS](#)
- Haupt, H. & Hanslmeier, A., "Photoelektrische Photometrie der Kleinplaneten (54) Alexandra und (372) Palma.", 19840AWMN.121..69H [ADS](#)
- Hanslmeier, A., Ornig, W., & Ornig, C., "Positionsbestimmungen der Kometen P/Encke und P/Crommelin.", 19840AWMN.121..63H [ADS](#)
- Hanslmeier, A. & Jackson, P., "Photographische Positionen des Kleinplaneten 111 Ate.", 19840AWMN.121..15H [ADS](#)
- Dvorak, R., Hanslmeier, A., & Lichtenegger, H., "Lie-integration of planetary motions.", 1983BAAS..15..869D [ADS](#)
- Dvorak, R. & Hanslmeier, A., "Numerical Integration with Lie-Series", 1983mpna.conf..65D [ADS](#)
- Hanslmeier, A.: 1983, "Anwendungen von Lie-Reihen als numerische Integrationsmethode in der HimmelsmechanikAnwendungen von Lie-Reihen als numerische Integrationsmethode in der HimmelsmechanikApplications of Lie series as a numerical integration method in celestial mechanics;" , Ph.D. thesis, Karl Franzens University of Graz, Austria 1983PhDT.....153H [ADS](#)
- Hanslmeier, A., "Der Rotationslichtwechsel des Kleinplaneten 409 Aspasia.", 19820AWMN.119R..5H [ADS](#)
- Hanslmeier, A., "Der Rotationslichtwechsel des Kleinplaneten 409 Aspasia.", 19820AWMN.119Q..5H [ADS](#)
- Hanslmeier, A. & Dvorak, R., "Application of Lie-Series to Numerical Integration in Celestial Mechanics", 1982ASIC..82..345H [ADS](#)
- Scaltriti, F., Zappala, V., Schober, H. J., et al., "14 Irene - A puzzling asteroid", 1981A&A..100..326S [ADS](#)
- Hanslmeier, A., Schober, H. J., & Sudy, A., "Langsam rotierende Kleinplaneten I: 14 Irene und 60 Echo", 1981MitAG..52Q..89H [ADS](#)