

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

- Valnýček, B., Bumba, V., & Ambrož, P., "An Insight into the Origin of Hvar Observatory", 2013CEAB..37..397V [ADS](#)
- García, A., Sobotka, M., Klvaňa, M., & Bumba, V., "Synoptic observations with the Coimbra spectroheliograph", 2011CoSka..41..69G [ADS](#)
- García, A., Klvaňa, M., Sobotka, M., & Bumba, V., "Spectroheliograms recorded using the new CCD camera in the OAUC, Coimbra, Portugal", 2010nspm.conf..206G [ADS](#)
- Bumba, V. & Klvaňa, M., "Co ovlivňuje průběh jedenáctiletého cyklu sluneční aktivity? Co ovlivňuje průběh jedenáctiletého cyklu sluneční aktivity? What affects the evolution of the eleven-year cycle of solar activity?", 2010nspm.conf..64B [ADS](#)
- Švanda, M., Sobotka, M., Klvaňa, M., & Bumba, V., "Dynamics of Active Regions Revealed by Tracking of Doppler Features", 2010ASSP...19..410S [ADS](#)
- Švanda, M., Klvaňa, M., Sobotka, M., & Bumba, V., "Large-scale horizontal flows in the solar photosphere. II. Long-term behaviour and magnetic activity response", 2008A&A...477..285S [ADS](#)
- Klvaňa, M., García, A., & Bumba, V., "The Modernized Spectroheliograph at Coimbra", 2007ASPC..368..549K [ADS](#)
- Bumba, V., Klvaňa, M., & García, A., "Regularities in the Distribution of Solar Magnetic Fields", 2007ASPC..368..511B [ADS](#)
- Klvaňa, M., Bumba, V., & Švanda, M., "Doppler Velocity Fields in Magnetic Structures and their Surroundings", 2006CEAB..30..21K [ADS](#)
- Klvaňa, M., Švanda, M., & Bumba, V., "Temporal Changes of the Photospheric Velocity Fields", 2005HvaOB..29..89K [ADS](#)
- Klvaňa, M., Švanda, M., Krivtsov, A., & Bumba, V., "Do tidal waves exist in the solar photosphere?", 2004HvaOB..28..157K [ADS](#)
- Švanda, M., Klvaňa, M., Sobotka, M., & Bumba, V., "Dynamics of motions in the quiet photosphere", 2003ESASP..535..149S [ADS](#)
- Krivtsov, A. M., Klvana, M., & Bumba, V., "Photosphere velocity field generated by tidal forces", 2003ESASP..535..121K [ADS](#)
- Bumba, V., Klvaňa, M., & García, A., "Photospheric background Doppler velocity field during the development of active regions", 2003ESASP..535..71B [ADS](#)
- Bumba, V., "Cyclic changes of the solar global and local magnetic fields patterns", 2003ESASP..535..3B [ADS](#)
- Klvaňa, M., Bumba, V., & Sobotka, M., "System of coordinates for solar telescopes", 2003HvaOB..27..205K [ADS](#)
- Klvaňa, M., Bumba, V., & Sobotka, M., "A CCD-based guiding and control system for solar telescopes", 2003AN....324..305K [ADS](#)
- Bumba, V., Klvaňa, M., & García, A., "Short-term solar activity regularities", 2002ESASP..506..837B [ADS](#)
- Klvana, M., Kaltman, T. I., & Bumba, V., "The depths of sunspot magnetic field sources calculated on the basis of magnetographic measurements in two spectral lines", 2002ESASP..505..449K [ADS](#)
- Kaltman, T. I., Klvana, M., Korzhavin, A. N., & Bumba, V., "Semi-empirical modelling of sunspots magnetic fields on the basis of radio astronomical and magnetographic observations", 2002ESASP..505..433K [ADS](#)
- Bumba, V., Klvana, M., & García, A., "Sunspot's magnetic and velocity field within the convective network", 2002ESASP..505..365B [ADS](#)
- Klvaňa, M. & Bumba, V., "Rotation of the vector velocity field in a symmetric sunspot", 2002ESASP..477..135K [ADS](#)
- Bumba, V., Klvana, M., & García, A., "Impulses of solar activity", 2002ESASP..477..83B [ADS](#)
- Klvaňa, M., Sobotka, M., & Bumba, V., "Reconstruction of the Telescopes HSFA1 and HSFA2", 2001AGM....18S1002K [ADS](#)
- Klvaňa, M., Sobotka, M., & Bumba, V., "Reconstruction of the Telescopes HSFA1 and HSFA2", 2001AGM....18.P220K [ADS](#)
- Bumba, V., García, A., & Klvaňa, M., "The Role of the Magnetic Field in the Ascension of the 22nd and 23rd Cycles of Activity", 2000SoPh..197..175B [ADS](#)
- Bumba, V., García, A., & Klvaňa, M., "Longitudinal Distribution of Solar Magnetic Fields and Activity During the Ending and Starting Periods of Activity Cycles", 2000SoPh..196..403B [ADS](#)
- Klvana, M., Bumba, V., & Kaltman, T., "Regular and Anomalous Effects in the Magnetic and Velocity Fields of Symmetrical Sunspots", 2000HvaOB..24..97K [ADS](#)
- Bumba, V. & Klvana, M., "Complexes of Activity - Basic Components of Activity Cycles (from the Bottom of the Convective Zone till the Interplanetary Space)", 2000ESASP..463..289B [ADS](#)
- Bumba, V., García, A., & Klvana, M., "Magnetic Flux Emergence at the Beginning of the Present Cycle of Activity", 1999ESASP..448..581B [ADS](#)
- Krivtsov, A. M., Klvana, M., Bumba, V., & Kaltman, T. I., "Determination of the Full Velocity Vector in an Asymmetric Sunspot: the Case for Small Vertical Velocity Components", 1999ESASP..448..325K [ADS](#)
- Klvana, M., Krivtsov, A., & Bumba, V., "Photospheric Velocity Vector Fields in Irregular Sunspots", 1999ESASP..448..313K [ADS](#)
- Krivtsov, A. M., Hofmann, A., Staude, J., Klvaňa, M., & Bumba, V., "Determination of the Velocity Vector Field in an Asymmetric Sunspot Based on Vector Magnetograph Measurements", 1999ASPC..184..108K [ADS](#)
- Klvaňa, M., Bumba, V., & Krivtsov, A., "Velocity structures in the quiet solar photosphere.", 1999joso.proc..193K [ADS](#)
- Bumba, V., Klvaňa, M., Rompolt, B., & Rudawy, P., "Photospheric line-of-sight velocity field under quiet Hα filaments.", 1999joso.proc..190B [ADS](#)
- Bumba, V. & Klvaňa, M., "Photoelectrically measured Doppler motions in regular spots.", 1999joso.proc..109B [ADS](#)
- Klvana, M., Bumba, V., & Krivtsov, A., "Medium Scale Photospheric Motion Fields", 1999ASSL..239..205K [ADS](#)
- Krivtsov, A. M., Hofmann, A., Staude, J., Klvana, M., & Bumba, V., "Determination of the full velocity vector based on vector magnetograph measurements in an asymmetric sunspot", 1998A&A...335.1077K [ADS](#)
- Bumba, V. & Klvaňa, A., "Do sympathetic flares really exist?", 1998PAICz..88..67B [ADS](#)
- Klvaňa, A. & Bumba, V., "Flare activity and photoelectric measurements of magnetic and velocity fields", 1998PAICz..88..25K [ADS](#)
- Bumba, V. & Klvaňa, A., "Why does the radio activity accompanying the flares in the two large active regions of June 1982 differ so much?", 1998PAICz..88..21B [ADS](#)
- Bumba, V., "Solar active longitudes and longitudinal concentration of flaring active regions", 1998PAICz..88..1B [ADS](#)
- Bumba, V., Klvaňa, M., Kálman, B., Rompolt, B., & Rudawy, P., "Chromospheric Activity above Changing Photospheric Magnetic and Velocity Fields of Developing Active Regions", 1998ASPC..155..224B [ADS](#)
- Klvaňa, M., Bumba, V., & Krivtsov, A., "Configuration of the Velocity and Magnetic Field Vectors in the Photosphere of Symmetrical Sunspots", 1998ASPC..155..79K [ADS](#)
- Bumba, V., García, A., & Jordan, S., "Interpreting the growth and destruction of a large long-duration solar active-region complex", 1998A&A...329.1138B [ADS](#)
- Bumba, V., "Shadia Rifai Habbal (ed.), Robotic Exploration Close to the Sun: Scientific Basis", 1997SSRv...82..469B [ADS](#)
- Jordan, S., García, A., & Bumba, V., "Interpreting the Large Limb Eruption of July 9, 1982", 1997SoPh..173..359J [ADS](#)
- Bumba, V. & Klvaňa, M., "Why does the radio activity accompanying the flares in the two large active regions of June 1982 differ so much?", 1997SoPh..173..111B [ADS](#)
- Klvana, M. & Bumba, V., "Use of the Video-Technique for Observations with a Double Solar Telescope", 1997HvaOB..21..109K [ADS](#)
- Bumba, V., "Local Solar Magnetic and Velocity Field Development and Related Photospheric and Chromospheric Activity", 1996SoPh..169..303B [ADS](#)
- Bumba, V., Klvana, M., & Kalman, B., "Doppler and proper motions accompanying formation of an additional magnetic flux in the mature solar active region (NOAA 7216)", 1996A&AS..118..35B [ADS](#)
- Bumba, V., Klvana, M., Kalman, B., & García, A., "The 1991 southern hemisphere complex of activity.", 1996A&AS..117..291B [ADS](#)
- Humphreys, R. M., Kemp, S., Savonije, G., et al., "Book reviews", 1996SSRv..76..339H [ADS](#)
- Jordan, S. D., García, A., & Bumba, V., "The Large Limb Event of July 9, 1982", 1996AAS..188.7009J [ADS](#)
- Klvana, M. & Bumba, V., "Semiempirical model of vector fields in a symmetrical sunspot.", 1996joso.proc..144K [ADS](#)
- Bumba, V., Klvana, M., & Kálman, B., "The role of magnetic and motion field singularities in the development of active regions and their flaring activities.", 1996joso.proc..143B [ADS](#)
- Bumba, V. & Klvana, M., "Doppler velocity measurements made with a scanning photoelectric magnetograph", 1995SoPh..160..245B [ADS](#)
- Bumba, V., Klvana, M., & Sykora, J., "Coronal holes and their relation to the background and local magnetic fields.", 1995A&A...298..923B [ADS](#)
- Bumba, V., Klvana, M., & Kalman, B., "NOAA 6850: an inactive delta-configuration and its magnetic and velocity fields.", 1995A&AS..109..355B [ADS](#)
- Bumba, V. & García, A., "Solar Zonal Average Magnetic Field and the Latitudes of Sunspot Groups", 1994SoPh..155..257B [ADS](#)
- Bumba, V. & Klvana, M., "Concerning the Solar Rotation Rates Estimated Using Tracers", 1994SoPh..153..437B [ADS](#)
- Bumba, V. & Klvana, M., "About some problems concerning the estimation of solar rotation.", 1994soro.conf..131B [ADS](#)
- Klvana, M. & Bumba, V., "Contribution to the calibration of magnetic field measurements in the line Fe I 5250.2 Å", 1994smf..conf..225K [ADS](#)
- Bumba, V. & Klvana, M., "Doppler velocity measurements made with a photoelectric magnetograph", 1994smf..conf..74B [ADS](#)
- Krivočeva, N., Krivcov, A., Klvana, M., & Bumba, V., "Modelling of photospheric horizontal motions from Doppler velocity measurements", 1994smf..conf..71K [ADS](#)

- Bumba, V. & Klvaňa, M., "How does the magnetic field of an active region develop?", 1994smf..conf..52B [ADS](#)
- Bumba, V., Klvana, M., Rusin, V., Rybansky, M., & Buyukliev, C. T., "Formation of Coronal Holes and the Global Magnetic Field Distribution", 1994scs..conf..65B [ADS](#)
- Bumba, V., Klvana, M., & Sykora, I., "Coronal Holes and Photospheric Magnetic Field", 1994scs..conf..47B [ADS](#)
- Klvaňa, M. & Bumba, V., "Primary processing of data obtained by the Ondřejov magnetograph.", 1994imfm.conf..119K [ADS](#)
- Bumba, V., Klvaňa, M., & Sýkora, J., "Magnetic fields surrounding coronal holes", in G. Belvedere, M. Rodono, and G. M. Simnett (Eds.), Advances in Solar Physics, Vol. 432, 141–145 1994LNP...432..141B [ADS](#)
- Klvaňa, M., Bumba, V., & Sobotka, M., "Processing of Images Acquired at the Ondřejov Double Solar Refractor", 1994ESOC..50..179K [ADS](#)
- Klvaňa, M. & Bumba, V., "Data Acquisition and Processing with the Solar Magnetograph of The Ondřejov Observatory", 1994ESOC..50..173K [ADS](#)
- Bumba, V., Klvana, M., Kalman, B., & Gyori, L., "Evolution, activity, magnetic fields, line-of-sight and proper motions in the solar active region NOAA 6659 (June 3-16, 1991)", 1993A&A...276..193B [ADS](#)
- Bumba, V., "What is the origin of the active region on the Sun and on what depends its existence.", 1993Rise...74..64B [ADS](#)
- Klvaňa, M. & Bumba, V., "Photoelectrically measured oscillations in the photosphere.", 1993sova.conf..78K [ADS](#)
- Bumba, V. & Klvaňa, M., "Variations of the line-of-sight motions in the quiet and active photosphere.", 1993sova.conf..72B [ADS](#)
- Bumba, V. & Klvana, M., "Questions Concerning the Existence of Sympathetic Flares", 1993Ap&SS.199..45B [ADS](#)
- Bumba, V., Klvana, M., Kalman, B., & Gyori, L., "Line-of-Sight and Proper Motions in the Flaring June 1991 (NOAA 6659) Active Region", 1993ASPC..46..373B [ADS](#)
- Bumba, V. & Klvana, M., "Doppler Motion in Active Regions and in the Surrounding Photosphere", 1993ASPC..46..32B [ADS](#)
- van Driel-Gesztelyi, L., Bumba, V., & van Driel Gesztelyi, L., "Book Review: Opening the frontiers in solar research / Pergamon, 1991", 1992SoPh..141..203V [ADS](#)
- Sánchez, I. & Bumba, V., "Book Review: Solar observations: techniques and interpretation / Cambridge U Press, 1991", 1992SoPh..141..203S [ADS](#)
- Bumba, V., "Solar Active Longitudes Recurring Every 28-29 Days. Acting Differently in Low and Higher Latitudes", 1991BAICz..42..381B [ADS](#)
- Sobotka, M., Simberová, Š., & Bumba, V., "Photometry of the Umbral Structure of a Fast-developing Sunspot", 1991BAICz..42..250S [ADS](#)
- Bumba, V., "Is the recurrent enhanced geomagnetic activity preceding the sunspot minimum related to magnetic fields of the new or old activity cycle?", 1991BAICz..42..161B [ADS](#)
- Bumba, V. & Hejna, L., "A new index of recurrence for long-lasting enhanced geomagnetic activity.", 1991BAICz..42..85B [ADS](#)
- Bumba, V. & Hejna, L., "Low-latitude Active Longitudes on the Sun and in Interplanetary Space", 1991BAICz..42..76B [ADS](#)
- Wentzel, D. G. & Bumba, V., "Book-Review - the Restless Sun", 1990SSRv...54R.450W [ADS](#)
- Bumba, V., "Book Review: The restless sun / Smithsonian Institution Press, 1989", 1990SSRv...54..451B [ADS](#)
- Bumba, V., "Do Polar Faculae Terminate or Commence an Extended Cycle of Solar Activity?", 1990BAICz..41..325B [ADS](#)
- Bumba, V. & Heina, L., "The new index of recurrence of high geomagnetic activity and its relation to the solar activity cycle.", 1990Ge&Ae..30..669B [ADS](#)
- Bumba, V. & Heina, L., "Active longitudes on the Sun and their manifestation in interplanetary space.", 1990Ge&Ae..30..550B [ADS](#)
- Bumba, V., Hejna, L., Rusin, V., & Rybansky, M., "The Basic Cycle of Solar Activity and the Global Magnetic Field and Active Phenomena Distribution", 1990Ap&SS.170..85B [ADS](#)
- Bumba, V., Rusin, V., & Rybansky, M., "Large-scale distribution of magnetic fields, green corona and prominences during an extended activity cycle", 1990SoPh..128..253B [ADS](#)
- Bumba, V., "Book Review: Cool stars, stellar systems and the sun. / Springer-Verlag, 1987", 1990BAICz..41Q.271B [ADS](#)
- Bumba, V., Rusin, V., & Rybansky, M., "Green Corona, Prominences and Magnetic Fields Latitudinal Distribution During an Extended Cycle of Activity", 1990BAICz..41..253B [ADS](#)
- Bumba, V. & Heina, L., "A new index for the recurrence of high geomagnetic activity and the relationship between this index and the solar activity cycle.", 1990Ge&Ae..30..565B [ADS](#)
- Bumba, V. & Heina, L., "Active longitudes on the Sun and their reflection in interplanetary space.", 1990Ge&Ae..30..465B [ADS](#)
- Bumba, V. & Hejna, L., "Solar Active Longitudes and their Possible Relation to the Regular Large-Scale Patterns of the Solar Magnetic Fields", 1990PDHO....7..92B [ADS](#)
- Bumba, V., Sobotka, M., & Šimberová, Š., "Photometry of the Internal Structure of a Large Umbra", 1990PDHO....7..84B [ADS](#)
- Sattarov, I. & Bumba, V., "On Motions of Magnetic Fields and Induction of Activity Centers", 1990PDHO....7..48S [ADS](#)
- Bumba, V., "The Patterns of the Twenty Two-Year Cycle of Solar Activity in Sunspots Statistics and in the Global Magnetic Field and Activity Distribution", 1989BAICz..40..17B [ADS](#)
- Bumba, V. & Hejna, L., "Some Problems Concerning the Regularities in the Development of the Latitudinal Distribution of Solar Magnetic Fields", 1988BAICz..39..363B [ADS](#)
- Bumba, V. & Hejna, L., "A Cumulative Method of Presentation of Solar Activity Secular Changes", 1988BAICz..39..355B [ADS](#)
- , "Geophysical consequences of solar magnetic field global distribution and changes", 1988bang.iafcQ....B [ADS](#)
- Bumba, V. & Hejna, L., "A Cumulative (Alternating) Method of Presentation of the Twenty Two-Year Periodicity of Solar Activity", 1988BAICz..39..315B [ADS](#)
- Bumba, V., "What is a "Centre of Magnetic Activity", 1988BAICz..39..129B [ADS](#)
- Bumba, V., "Book Review: Interstellar magnetic fields : Observation and theory. / Springer-Verlag, 1987.", 1988BAICz..39..128B [ADS](#)
- Bumba, V. & Geztesy, L., "Formation of the White-light Flare Region of April 1984 (NOAA 4474) within the 21st Cycle of Solar Activity", 1988BAICz..39..86B [ADS](#)
- Bumba, V. & Hejna, L., "Solar Flare Activity Changes and Global Magnetic Field Disturbances", 1988BAICz..39..8B [ADS](#)
- Bumba, V. & Gesztelyi, L., "Solar Global Background Magnetic Field Changes Accompanying the Development of the White-Light Flare Region of April 1984 (NOAA 4474)", 1988BAICz..39..1B [ADS](#)
- Bumba, V. & Gesztelyi, L., "Rotation of Individual Background Magnetic Field Components During the Formation of the White-Light Flare Region of April 1984 (NOAA 4474)", 1987BAICz..38..351B [ADS](#)
- Bumba, V. & Hejna, L., "Observation of Solar Differential Rotation with the Aid of Magnetic Tracers", 1987SoPh..110..109B [ADS](#)
- Bumba, V., "Does the large-scale solar magnetic field distribution really reflect the convective velocity fields?", 1987SoPh..110..51B [ADS](#)
- Bumba, V., "Search for Giant Elements of Convection with the Aid of Magnetic Tracers", 1987BAICz..38..92B [ADS](#)
- Bumba, V., Hejna, L., & Gesztelyi, L., "High flare activity and redistribution of solar global magnetic fields.", 1987PAICz..66..129B [ADS](#)
- Bumba, V., "Does the local dynamo act in sunspot groups?", 1987PAICz..66..59B [ADS](#)
- Bumba, V., "Magnetic fields of the sun and stars.", 1987PAICz..66..3B [ADS](#)
- Perek, L., Zavřel, J., Říman, J., et al., "10th European Regional Astronomy Meeting of the IAU, held in Praha, Czechoslovakia, 24 - 29 August 1987. Programme of the Meeting and Directory to the Proceedings.", 1987PAICz..65..P [ADS](#)
- Bumba, V. & Hejna, L., "Solar Differential Rotation Reflected in the Distribution of Background Magnetic Fields", 1987BAICz..38..29B [ADS](#)
- , "Scientific mission to asteroid Phaethon", 1986Inns.iafcQ....P [ADS](#)
- Bumba, V., "Magnetic Field and Photospheric Development of a Particular Sunspot Group from June 1963", 1986BAICz..37..281B [ADS](#)
- Bumba, V., Kálmán, B., Klvaňa, M., & Suda, J., "Kinematics of the May 1981 Flare Complex's Magnetic Field Decrease (H. R. 17 644)", 1986BAICz..37..219B [ADS](#)
- Bumba, V., "Formation of the May 1981 Solar Flare Complex and the Global Magnetic Field of the Sun (H. R. 17 644)", 1986BAICz..37..210B [ADS](#)
- Galeev, A. A., Bumba, V., Vajsberg, O. L., Fischer, S., & Zastenker, G. N., "Project INTERSHOCK - investigation of the fine structure of shock waves in cosmic plasma - aims, problems, methods.", 1986KosIs..24..147G [ADS](#)
- Bumba, V., "Solar local magnetic fields and their relations to the background fields", 1986CoSka..15..495B [ADS](#)
- Bumba, V., "Main phases of active region's magnetic field development", 1986CoSka..15..49B [ADS](#)
- Bumba, V., "Characteristic Patterns of Solar Magnetic Fields Around the Positions of Flares with Enhanced Helium-3 Abundance", 1985BAICz..36..177B [ADS](#)
- Bumba, V. & Galeev, A., "Scientific objectives of the Intershock project.", 1985inpr.conf..12B [ADS](#)
- Bumba, V. & Suda, J., "Processes Observable in the Photosphere During the Formation of an Active Region. 3. Development of an Active Region at the Edge of an Older Bipolar Magnetic Field", 1984BAICz..35..224B [ADS](#)
- Bumba, V. & Suda, J., "Processes observable in the photosphere during the formation of an active region. II - Development of a usual active region; growth of a SPOT penumbra", 1984BAICz..35..28B [ADS](#)
- Bumba, V., "Solar and stellar activities.", 1984StCeF..36..438B [ADS](#)
- Bumba, V., "L. Perek, 65th birthday.", 1984Rise...65..148B [ADS](#)

- Bumba, V. & Suda, J., "Processes Observable in the Photosphere During the Formation of an Active Region. I. Development of a Very Small, Secondary Active Region", 1983BAICz..34..349B [ADS](#)
- Bumba, V., "How Does the Magnetic Field of an Usual Active Region Develop?", 1983BAICz..34..219B [ADS](#)
- Bumba, V. & Suda, J., "The Problem of Field Geometry in Sunspots", 1983BAICz..34..155B [ADS](#)
- Bumba, V., "Proper motions observed in active regions.", 1983PDHO....5..47B [ADS](#)
- Bumba, V. & Suda, J., "Development of Sunspots in the Colliding Magnetic Fields of the June - July 1974 Proton-Flare Group", 1983BAICz..34..29B [ADS](#)
- Bumba, V., "Observable physical effects during new solar active regions formations", 1983AN....304..7B [ADS](#)
- Bumba, V., Klvaňa, M., & Tomášek, P., "Magnetic Field Development in an Isolated Active Region (McMath No. 13 736)", 1982BAICz..33..321B [ADS](#)
- Bumba, V., "June-July 1974 Proton-Flare Region. IV. The Dynamics of the Local Magnetic Field Evolution during the Proton-Flare Events Rotation", 1982BAICz..33..281B [ADS](#)
- Bumba, V., "June-July 1974 Proton-Flare Region. III. The Geomagnetic Activity During the Declining Phase of the Complex Process", 1982BAICz..33..215B [ADS](#)
- Bumba, V., Hejna, L., & Yen, L. B., "June - July 1974 Proton-Flare Region II. Regularities in the Magnetic Field Area and Related Sunspot and Flare-Activity Development", 1982BAICz..33..160B [ADS](#)
- Bumba, V., Klvana, M., & Pflug, K., "Solar Active Region SD 55/1975 in the Frame of the Background Magnetic Field Development", 1982BAICz..33..36B [ADS](#)
- Bumba, V., "Development of Solar Energetic Particle Sources Within the Background Magnetic Fields", 1982SSRV...32..229B [ADS](#)
- Bumba, V., "Solar Magnetic Fields and Activity", 1982coas.conf..81B [ADS](#)
- Bumba, V., "Solar Activity", 1982IAUTA..18..55B [ADS](#)
- Bumba, V., "Significance of observations for modeling of sunspots and their groups development", 1982HvaOB...6..101B [ADS](#)
- Bumba, V. & Hejna, L., "June-July 1974 Proton-Flare Region. I. Individual Stages of Its Background and Local Magnetic Field Development", 1981BAICz..32..349B [ADS](#)
- Bumba, V., Suda, J., & Ishkov, V. N., "Links of H α -Emission Features with the Underlying Elements of Sunspot Fine Structures in Some Flares", 1981BAICz..32..286B [ADS](#)
- Bumba, V., "Beginning Stages of Local Magnetic Field Formation", 1981BAICz..32..129B [ADS](#)
- Bumba, V. & Tomasek, P., "Initial phase of the development of the magnetic field of an active region in the photosphere", 1980tpmb.meet...35B [ADS](#)
- Bumba, V., Kresák, L., Kríž, S., & Vanýsek, V., "17th General Assembly of the IAU and the actual aims of astronomy.", 1980Vesmi..59..1B [ADS](#)
- Bumba, V., "August 1972 Proton-flare Region and Different Phases of Its Background Magnetic Field Development", 1980BAICz..31..351B [ADS](#)
- Bumba, V. & Hejna, L., "Some Peculiarities in the Development of the Large August 1972 Sunspot Group", 1980BAICz..31..257B [ADS](#)
- Bumba, V. & Suda, J., "Internal Structure of Sunspot Umbræ", 1980BAICz..31..101B [ADS](#)
- Bumba, V., "Large-scale solar magnetic fields.", 1979psa..conf..50B [ADS](#)
- , "Problems of solar activity", 1979psa..conf....B [ADS](#)
- Bumba, V.: 1979, *The Astronomical Institute of the Czechoslovak Academy of Sciences*. 1979aica.book.....B [ADS](#)
- Roberts, P. H., Scholer, M., de Jager, C., et al., "Book reviews", 1978SSRV...22..213R [ADS](#)
- Bumba, V., "Astronomical Institute of the Czechoslovak Academy of Sciences.", 1978Rise..59..1B [ADS](#)
- Martini, L., Jakimiec, J., Tindo, I. P., Bumba, V., & Dezsö, L., "Results of investigations on solar physics within the frame of the Intercosmos programs.", 1977PDHO....3..305M [ADS](#)
- Bumba, V., Hejna, L., & Bach Yen, L., "The main characteristics of magnetic field developments responsible for the formation of the July 1974 proton-flare region.", 1977PDHO....3..161B [ADS](#)
- Bumba, V. & Hejna, L., "Individual phases in the August 1972 proton-flare region development.", 1977PDHO....3..111B [ADS](#)
- Bumba, V., "On the origin of active regions. Magnetographic observations.", 1977IzKry..56..188B [ADS](#)
- Ambrož, P., Bumba, V., Havlicek, K., Ptacek, J., & Suda, J., "Solar double telescope at the Hyar Observatory", 1977HvaOB...1..15A [ADS](#)
- Bumba, V., Klvana, M., & Suda, J., "The initial phases of sunspot group development.", 1976veao.conf..59B [ADS](#)
- Bumba, V. & Sykora, J., "Large-scale magnetic structures and the longitudinal distribution of the green coronal emission.", in Solar Activity and Solar-Terrestrial Relations, 231–233 1976str..book..231B [ADS](#)
- Ambroz, P., Bumba, V., & Suda, J., "Some characteristics of the magnetic field and photospheric structure development in the August 1972 proton-flare region.", in Solar Activity and Solar-Terrestrial Relations, 15–21 1976str..book..15A [ADS](#)
- Bishoff, K., Bumba, V., Vainshtein, L. A., et al., "Investigation of solar short-wavelength radiation and solar activity", in The Intercosmos Program, 102–129 1976ip...book..102B [ADS](#)
- Bumba, V., "Dynamics of sunspot development.", 1976fsp..conf..123B [ADS](#)
- Bumba, V., Klvana, M., & Suda, J., "Light-bridges and the distribution of the magnetic field polarity in sunspot groups.", 1976fsp..conf..49B [ADS](#)
- Bumba, V., "Large-Scale Solar Magnetic Fields", 1976IAUS...71..47B [ADS](#)
- , "Basic mechanisms of solar activity, proceedings from IAU Symposium no. 71 held in Prague, Czechoslovakia, 25-29 August 1975.", 1976IAUS...71....B [ADS](#)
- Bumba, V. & Sýkora, J., "Large-scale magnetic structures and the longitudinal distribution of the green coronal emission", 1976CoSka...6..231B [ADS](#)
- Ambrož, P., Bumba, V., & Suda, J., "Some characteristics of the magnetic field and photospheric structure development in the August 1972 proton-flare region", 1976CoSka...6..15A [ADS](#)
- Bumba, V., Klvana, M., & Macak, P., "Horizontal Instrument for Solar Magnetic and Velocity Field Measurements", 1976BAICz..27..257B [ADS](#)
- Bumba, V., Hrebík, F., & Suda, J., "Conditions for Solar Observations at the Ondřejov Observatory", 1976BAICz..27..217B [ADS](#)
- Bumba, V., "Relations between the Solar and Interplanetary Magnetic Field Distributions", 1976BAICz..27..153B [ADS](#)
- Bumba, V., "A Note on Recurrences in the Magnetic Field Distribution during the Present Cycle of Solar Activity", 1976BAICz..27..74B [ADS](#)
- Bumba, V., "Scientific cooperation of solar physicists in socialist countries", 1975cesra...5..98B [ADS](#)
- Bumba, V., "Concerning some actual problems in the observational solar research", 1975POBeo..20..35B [ADS](#)
- Bumba, V., "Scientific cooperation of solar physicists in socialist countries.", 1975MmArc.105..98B [ADS](#)
- Bumba, V., Hejna, L., & Suda, J., "Granular-like pattern in sunspot umbræ.", 1975BAICz..26..315B [ADS](#)
- Bumba, V. & Sýkora, J., "Large-Scale Magnetic Structures Responsible for Coronal Disturbances (presented by V. Bumba)", 1974IAUS...57..73B [ADS](#)
- Bumba, V. & Ambroz, P., "The Relation Between Chromospheric and Photospheric Structures in Sunspot Groups", 1974IAUS...56..183B [ADS](#)
- Bumba, V. & Sýkora, J., "Particle emitting flares and the large-scale distribution of solar magnetic fields and green corona.", 1973spre.conf..803B [ADS](#)
- Bumba, V., "The sun as a star.", 1973sa..conf....9B [ADS](#)
- Bumba, V. & Suda, Y., "The dominating role of convection in the development of solar activity centers.", 1973SZFiz...3..222B [ADS](#)
- Bumba, V., Ranzinger, P., & Suda, J., "Photospheric Convective Network as a Determining Factor in Sun-spot and Group Development and Stabilization", 1973BAICz..24..22B [ADS](#)
- Bumba, V., Krivský, L., Tlamicha, A., et al., "Typical Characteristics of the Active Region With Proton Flare Behind the Limb (2 November 1969) and Accompanying Effects", 1972spen.conf..19B [ADS](#)
- Bumba, V., "Large-scale magnetic fields and activity patterns on the sun.", 1972sstp.conf..21B [ADS](#)
- Bumba, V. & Sykora, J., "The connection of large-scale distribution of solar magnetic fields and coronal features with large flares and the solar wind.", 1972SZFiz...3..231B [ADS](#)
- Bumba, V., "Solar Large-Scale Positive Polarity Magnetic Fields and Geomagnetic Disturbances", in C. P. Sonett, P. J. Coleman, and J. M. Wilcox (Eds.), NASA Special Publication, Vol. 308, 151 1972NASSP.308..151B [ADS](#)
- Bumba, V., "Large-Scale Negative Polarity Magnetic Fields on the Sun and Particle-Emitting Flares", in C. P. Sonett, P. J. Coleman, and J. M. Wilcox (Eds.), NASA Special Publication, Vol. 308, 31 1972NASSP.308..31B [ADS](#)
- Bumba, V., Krivský, L., & Sýkora, J., "Development and spatial structure of proton flares near the limb and coronal phenomena. IV. Proton flare on November 2, 1969 and its active region", 1972BAICz..23..85B [ADS](#)
- Bumba, V., "Large-Scale Magnetic Fields and Activity Patterns on the Sun", 1972ASSL...29..21B [ADS](#)
- Bumba, V., Suda, J., & Ranzinger, P., "Role of the Convective Network in the Development of Sunspots, Sunspot Groups and Flares", 1971PDHO....2..21B [ADS](#)
- Bumba, V., "Large Scale Regularities in Solar Magnetic Field Distribution and Occurrence of Large Flares", 1971PDHO....2..13B [ADS](#)

- Ambroz, P., Bumba, V., Howard, R., & Sýkora, J., "Opposite Polarities in the Development of Some Regularities in the Distribution of Large-Scale Magnetic Fields", 1971IAUS...43..696A [ADS](#)
- Bumba, V. & Suda, J., "Some Remarks on the Statics and Dynamics of Magnetic Field Structure Development in Active Regions", 1971IAUS...43..201B [ADS](#)
- Bumba, V., "Concerning the Formation of Giant Regular Structures in the Solar Atmosphere", 1970SoPh...14...80B [ADS](#)
- Bumba, V. & Howard, R., "Solar Activity and Recurrences in Magnetic-Field Distribution", 1969SoPh....7...28B [ADS](#)
- Howard, R. & Bumba, V., "On forecasts of interplanetary and geophysical conditions", 1969sfsr.conf..397H [ADS](#)
- Bumba, V. & Howard, R., "On long-term forecasts of solar activity", 1969sfsr.conf..387B [ADS](#)
- Bumba, V. & Růžičková-Topolová, B., "Variability of solar calcium emission during one solar rotation", 1969cspf.conf...93B [ADS](#)
- Howard, R., Bumba, V., & Smith, S. F.: 1969, *Atlas of solar magnetic fields*, 1969asmf.book.....H [ADS](#)
- Bumba, V. & Obridko, V. N., "'Bartels' active longitudes', sector boundaries and flare activity", 1969SoPh....6..104B [ADS](#)
- Bumba, V., Kleczek, J., Olmr, J., & Růžičková-Topolová, B., "Relation of 1420 MHz radio emission to the distribution of photospheric magnetic fields, coronal emission and filaments", 1969BAICz..20...67B [ADS](#)
- Bumba, V. & Růžičková-Topolová, B., "Magnetic fields, green corona and filaments in high solar latitudes", 1969BAICz..20...63B [ADS](#)
- Bumba, V. & Howard, R., "On the solar sources of recurrent geophysical effects", 1969BAICz..20...61B [ADS](#)
- Bumba, V., Howard, R., Kopecký, M., & Kuklin, G. V., "Some regularities in the distribution of large-scale magnetic fields on the Sun", 1969BAICz..20...18B [ADS](#)
- Bumba, V. & Godoli, G., "Correlation Between CA Plages and Longitudinal Magnetic Fields of the Cesar Active Regions", 1968IAUS...35..338B [ADS](#)
- Bumba, V., Krivský, L., Martres, M. J., & Soru-Iscovič, I., "Flare Activity and Spotgroup Development", 1968IAUS...35..311B [ADS](#)
- Bumba, V., Kleczek, J., Olmr, J., Ruzicková-Topolová, B., & Sýkora, J., "Last Phases of Development of Active Regions", 1968IAUS...35..64B [ADS](#)
- Bumba, V., Howard, R., Martres, M. J., & Soru-Iscovič, I., "Patterns of Active Region Magnetic Field Development", 1968IAUS...35..13B [ADS](#)
- Krüger, A., Bumba, V., Howard, R., & Kleczek, J., "The interplanetary sector structure and solar radio emission", 1968BAICz..19..180K [ADS](#)
- Bumba, V., "Magnetic Fields in Small and Young Sunspots", 1967SoPh....1..371B [ADS](#)
- Bumba, V. & Rátextasciimacronžičková-Topolová, B., "Variability of the Integrated Solar K Line Emission", 1967SoPh....1..216B [ADS](#)
- Bumba, V., Howard, R., & Smith, S. F., "The Sun as a Magnetic Star", 1967mrs..conf..131B [ADS](#)
- Howard, R., Bumba, V., & Smith, S. F.: 1967, *Atlas of solar magnetic fields*, 1967asmf.book.....H [ADS](#)
- Bumba, V., "Radial motions in small and young sunspots", 1967BAICz..18..238B [ADS](#)
- Bumba, V. & Howard, R., "A Note on the Identification of "m" Regions", 1966ApJ...143..592B [ADS](#)
- Bumba, V., Kopecký, M., & Kuklin, G. V., "Some theoretical aspects of sunspots", 1966BAICz..17..57B [ADS](#)
- Bumba, V. & Howard, R., "Solar Magnetic Fields", 1965Sci...149.1331B [ADS](#)
- Bumba, V. & Howard, R., "On the Development of Solar Flares Within the Calcium Network.", 1965ApJ...142..796B [ADS](#)
- Bumba, V. & Howard, R., "Large-Scale Distribution of Solar Magnetic Fields.", 1965ApJ...141.1502B [ADS](#)
- Bumba, V. & Howard, R., "A Study of the Development of Active Regions on the Sun.", 1965ApJ...141.1492B [ADS](#)
- Bumba, V., Howard, R., & Kleczek, J., "Association of Green-Line Coronal Features with Photospheric Magnetic Fields", 1965PASP...77..55B [ADS](#)
- Bumba, V., "Some notes on sunspot fine structure", 1965IAUS...22..305B [ADS](#)
- Bumba, V., "Short note on the connections between the facular network and sunspots", 1965IAUS...22..192B [ADS](#)
- Bumba, V. & Howard, R., "The development of sunspot groups and the super-granular pattern", 1964susp.conf..220B [ADS](#)
- Bumba, V., Howard, R. F., & Smith, S. F., "Large-Scale Patterns of Solar Magnetic Fields", 1964Ast....69..535B [ADS](#)
- Bumba, V., Howard, R., & Smith, S. F., "Large-Scale Patterns of the Solar Magnetic Field.", 1964AJ.....69Q.535B [ADS](#)
- Bumba, V., "Contribution to the discussion of radial motions in sunspots", 1963BAICz..14..137B [ADS](#)
- Bumba, V., "Slow change in the maximum intensity of the magnetic field of regular spots", 1963BAICz..14..134B [ADS](#)
- Bumba, V., "Auxiliary horizontal solar spectrograph at Ondřejov", 1963BAICz..14..102B [ADS](#)
- Bumba, V., "Development of SPOT group areas in dependence on the local magnetic field", 1963BAICz..14..91B [ADS](#)
- Bumba, V., "Unusual observation of a meteor train", 1963BAICz..14..22B [ADS](#)
- Bumba, V., "Relation between motions and local magnetic fields in the photosphere", 1963BAICz..14...1B [ADS](#)
- Bumba, V., "Configuration of Magnetic Fields in Sunspot Umbrae", 1962IAUTB..11R.430B [ADS](#)
- Bumba, V. & Kleczek, Y., "Sunspot Magnetic Fields and Loop Prominences", 1962IAUTB..11Q.430B [ADS](#)
- Bumba, V. & Kleczek, F., "A simple device for studying sunspot motions", 1962BAICz..13..118B [ADS](#)
- Bumba, V. & Topolová-Růžičková, B., "Polarization of light in solar spectrograph. I. Polarization on coelostat mirrors", 1962BAICz..13..95B [ADS](#)
- Bumba, V., "Magnetic fields in sunspot umbrae", 1962BAICz..13..48B [ADS](#)
- Bumba, V., "Contribution to the study of the magnetic field in sunspot umbrae", 1962BAICz..13..42B [ADS](#)
- Bumba, V. & Kleczek, J., "On a sunspot group with an outstanding loop activity", 19610bs...81..141B [ADS](#)
- Bumba, V. & Letfus, V., "Note on Evershed's measurements of the magnetic field in a chromospheric flare", 1961BAICz..12..114B [ADS](#)
- Bumba, V., "Magnetic fields in sunspot groups", 1961BAICz..12..82B [ADS](#)
- Blaha, M., Bumba, V., Krivský, L., & Valněček, B., "Active chromospheric phenomenon on the NW-limb of the Sun, 1960 August 20", 1961BAICz..12..7B [ADS](#)
- Bumba, V. & Olmr, F., "Emission in two directions by sources of increased radiation on metre waves", 1960BAICz..11..254B [ADS](#)
- Bumba, V. & Krivský, L., "Chromospheric pre-flares", 1959BAICz..10..221B [ADS](#)
- Bumba, V., "The relation of motion in "unipolar" sun-spots to the magnetic field in these spots", 1959BAICz..10..183B [ADS](#)
- Severny, A. B. & Bumba, V., "On the penetration of solar magnetic fields into the chromosphere", 19580bs...78..33S [ADS](#)
- Bumba, V. & Valněček, B., "Das Spektrum des Meteors 1954 Dezember 14, (Meteorspektra II)", 1956BAICz..7..18B [ADS](#)
- Bumba, V., "Eine Ergänzung zur Bemerkung über die Sonnenaktivität und die Meteore", 1955BAICz...6..141B [ADS](#)
- Bumba, V., "Eine Bemerkung über die Sonnenaktivität und die Meteore", 1955BAICz...6..139B [ADS](#)
- Bumba, V. & Valněček, B., "The Meteor Spectra of the Perseid Shower 1953. First Part", 1955BAICz...6..108B [ADS](#)
- Bumba, V., "Einfluss der großen Meteorströme auf die Charaktervariationen der geomagnetischen Tätigkeit", 1955BAICz...6..1B [ADS](#)
- Bumba, V., "Long Enduring Meteor Trains. I. Statistical Results", 1953BAICz...4..147B [ADS](#)
- Bumba, V., "Influence de l'angle horaire du Soleil et de la Lune sur les altitudes météoriques", 1950BAICz...2..68B [ADS](#)
- Bumba, V., "Variation saisonnière des altitudes météoriques", 1949BAICz...1..125B [ADS](#)
- Bumba, V., "Influence de l'activité solaire sur le nombre des observations de météores, de trainées météoriques et de chutes météoritiques", 1949BAICz...1..93B [ADS](#)
- Bumba, V. & Link, F., "Etudes météoriques.", 1948PAICz..20...1B [ADS](#)