

Recent NSO Pubs, 2006--2010

- Abramenko,V.I., Pevtsov,A.A. & Romano,P. 2006, *Astrophysical Journal* 646, L81. "Coronal Heating and Photospheric Turbulence Parameters: Observational Aspects".
- Altrock,R.C., Henry,T.W. & Cornett,J.L. 2006, in *Solar-Geophysical Data, Part 1 (Prompt Reports)*, no. 727--738 (Mar. 2005--Feb. 2006), ed. H.E.Coffey, NOAA).
- Altrock,R.C., Henry,T.W. & Cornett,J.L. 2007, in *Solar-Geophysical Data (electronic), Part 1 (Prompt Reports)*, no. 739--750 (Mar. 2006--Feb. 2007), ed. H.E.Coffey, NOAA, Boulder CO), 76.
- Altrock,R.C., Henry,T.W. & Cornett,J.L. 2008, in *Solar-Geophysical Data (electronic), Part 1 (Prompt Reports)*, no. 751-762 (Mar.2007-Feb.2008), ed. H.E.Coffey, NOAA, Boulder CO).
- Altrock,R.C., Henry,T.W. & and Cornett,J.L. 2009, in *Solar-Geophysical Data (electronic), Part I (Prompt Reports)*, no. 763-768 (Mar. 2007-- Mar. 2008), ed. E.W.Erwin, NOAA, Boulder CO).
- Altrock,R.C., Henry,T.W. & Cornett,J.L. 2006, in *Solar-Geophysical Data (electronic), Part 1 (Prompt Reports)*, no. 726--738 (Mar. 2005--Feb. 2006), ed. H.E.Coffey, NOAA).
- Altrock,R.C., Henry,T.W. & Cornett,J.L. 2007, in *Solar-Geophysical Data (electronic), Part 1 (Prompt Reports)*, no. 739-750 (Mar. 2006--Feb. 2007), ed. H.E.Coffey, NOAA, Boulder CO).
- Altrock,R.C., Henry,T.W. & Cornett,J.L. 2008, in *Solar-Geophysical Data (Electronic), Part 1 (Prompt Reports)*, no. 251-762 (Mar.2007--Feb.2008), ed. H.E.Coffey, NOAA, Boulder CO).
- Altrock,R.C., Henry,T.W. & and Cornett,J.L. 2009, in *Solar-Geophysical Data (electronic), Part I (Prompt Reports)*, no. 763-771 (Mar. 2007-- Feb.2008), ed. E.W.Erwin, NOAA, Boulder CO).
- Altrock, R. C. and Radick, R. R. *Solar Environmental Disturbances, Final Report for In-House Work Unit 2311RDB1 (10 Years)*. -47 pp. 2007. Air Force Research Laboratory. AFRL Technical Report AFRL-RV-HA-TR-2007-1022.  
Ref Type: Technical Report
- Altrock,R.C., Howe,R. & Ulrich,R. 2008, in *Subsurface and Atmospheric Influences on Solar Activity: 24th International NSO Workshop.*, ed. R.Howe, R.W.Komm, K.S.Balasubramaniam & G.J.Petrie, *Astronomical Society of the Pacific*), 335.
- Altrock,R.C. 2010, in *ASP Conf.Ser.nnn, SOHO 23: Understanding a Peculiar Solar Minimum*, ed. S.Cranmer, T.Hoeksema & J.Kohl, *Astronomical Society of the Pacific*), nnn.
- Ambastha,A., Ravindra,B. & Gosain,S. 2006, *Solar Physics* 233, 171. "H-Alpha Observations of 8 June 2004 Venus Transit".
- Ambastha,A. & Antia,H.M. 2006, *Solar Physics* 238, 219. "Possibility of Excitation of Low-L P-Modes by Energetic Solar Transients".
- Andretta,V., Mauas,P.J., Falchi,A. & Teriaca,L. 2008, *Astrophysical Journal* 681, 650. "Helium Line Formation and Abundance During a C-Class Flare".
- Antia,H.M. & Basu,S. 2006, *Astrophysical Journal* 644, 1292. "Determining Solar Abundances Using Helioseismology".
- Antia,H.M., Basu,S. & Chitre,S.M. 2008, *Astrophysical Journal* 681, 680. "Solar Rotation Rate and Its Gradient During Cycle 23".

Appourchaux, T., Leibacher, J.W. & Boumier, P. 2007, *Astronomy and Astrophysics* 463, 1211. "On Cross-Spectrum Capabilities for Detecting Stellar Oscillation Modes (Research Note)".

Aschwanden, M.J. 2008, in *ASP Conf. Ser. 383, Subsurface and Atmospheric Influences on Solar Activity*: ed. R. Howe, R.W. Komm, K.S. Balasubramaniam & G.J. Petrie, *Astronomical Society of the Pacific*, 1.

Ayres, T.R. et al. 2009, in *Astro2010: The Astronomy and Astrophysics Decadal Survey*, ed. National Science Board, *National Science Foundation*.

Ayres, T.R., Plymate, C. & Keller, C.U. 2006, *Astrophysical Journal Supplement Series* 165, 618. "Solar Carbon Monoxide, Thermal Profiling, and the Abundances of C, O, and Their Isotopes".

Ayres, T.R. 2008, *Astrophysical Journal* 686, 731. "Solar Forbidden Oxygen, Revisited".

Bagare, S.P., Balachandra Kumar, K. & Rajamanickam, N. 2006, *Solar Physics* 234, 1. "Identification of AIF Molecular lines in Sunspot Umbral Spectra".

Balasubramaniam, K.S., Pevtsov, A.A. & Neidig, D.F. 2007, *Astrophysical Journal* 659, 1372. "Are Moreton Waves Coronal Phenomena?".

Balasubramaniam, K.S., Pevtsov, A.A. & Olmschenk, S. 2008, in *ASP Conf. Ser. 383, Subsurface and Atmospheric Influences on Solar Activity*., ed. R. Howe, R.W. Komm, K.S. Balasubramaniam & G.J. Petrie, *Astronomical Society of the Pacific*, 279.

Balasubramaniam, K.S., Sankarasubramanian, K. & Pevtsov, A.A. 2006, in *ASP Conf. Ser. 358, Solar Polarization* 4, 68.

Baldner, C.S. & Basu, S. 2008, *Astrophysical Journal* 686, 1349. "Solar Cycle Related Changes at the Base of the Convection Zone".

Bellot Rubio, L.R., Tritschler, A. & Martinez Pillet, V. 2008, *Astrophysical Journal* 676, 698. "Spectropolarimetry of a Decaying Sunspot Penumbra".

Bellot Rubio, L.R., Schlichenmaier, R. & Tritschler, A. 2006, *Astronomy and Astrophysics* 453, 1117. "Two-Dimensional Spectroscopy of a Sunspot. III. Thermal and Kinematic Structure of the Penumbra at 0.5 Arc-seconds Resolution".

Besliu-Ionescu, D., Donea, A.C., Cally, P.S. & Lindsey, C. 2008, in *ASP Conf. Ser. 383, Subsurface and Atmospheric Influences on Solar Activity*, ed. R. Howe, R. Komm, K.S. Balasubramaniam & G.J. Petrie, *Astronomical Society of the Pacific*, 297.

Bharti, L., Rimmele, T., Jain, R., Jaafrey, S.N. & Smartt, R.N. 2007, *Monthly Notices of the Royal Astronomical Society* 376, 1291. "Detection of Opposite Polarities in a Sunspot Light Bridge: Evidence of Low-Altitude Magnetic Reconnection".

Bharti, L., Jain, R. & Jaafrey, S.N. 2007, *Astrophysical Journal* 665, L79. "Evidence for Magnetoconvection in Sunspot Umbral Dots".

Bogart, R.S., Basu, S., Rabello-Soares, M.C. & Antia, H.M. 2008, *Solar Physics* 251, 439. "Probing the Subsurface Structures of Active Regions with Ring-Diagram Analysis".

Brooks, D.H. & Warren, H.P. 2008, *Astrophysical Journal* 687, 1363. "Modeling of the Extreme-Ultraviolet and Soft X-Ray Emission in a Solar Coronal Bright Point".

- Burtseva,O., Hill,F. & Kholikov,S. 2008, in ASP Conf.Ser.383, Subsurface and Atmospheric Influences on Solar Activity, ed. R.Howe, R.Komm, K.S.Balasubramaniam & G.J.Petrie, Astronomical Society of the Pacific), 365.
- Burtseva,O., Hill,F., Kholikov,S. & Chou,D.Y. 2009, Solar Physics 258, 1. "Lifetimes of High-Degree p Modes in the Quiet and Active Sun".
- Canfield,R.C., Kazachenko,M., Acton,L.W., Mackay,D.H., Son,J. & Freeman,T.L. 2007, Astrophysical Journal Letters 671, L81. "YOHKOH SXT Full-Resolution Observations of Sigmoids: Structure, Formation, and Eruption".
- Cauzzi,G., Reardon,K., Rutten,R.J., Tritschler,A. & Uitenbroek,H. 2009, Astronomy and Astrophysics 503, 577. "The Solar Chromosphere at High Resolution with IBIS".
- Cavallini,F. 2006, Solar Physics 236, 415. "IBIS: A New Post-Focus Instrument for Solar Imaging Spectroscopy".
- Centeno,R. & Socas-Navarro,H. 2008, Astrophysical Journal 682, L61. "A New Approach to the Solar Oxygen Abundance Problem".
- Centeno,R., Trujillo Bueno,J., Uitenbroek,H. & Collados,M. 2009, in Solar Polarization 5: In Honor of Jan Stenflo. ASP Conference Series 405., ed. S.V.Berdyugina, K.N.Nagendra & R.Ramelli, Astronomical Society of the Pacific), 297.
- Centeno,R., Trujillo Bueno,J., Uitenbroek,H. & Collados,M. 2008, Astrophysical Journal 677, 742. "The Influence of Coronal EUV Irradiance on the Emission in the He I 10830 Angstrom and D3 Multiplets".
- Chen,J., Bao,S. & Zhang,H. 2007, Solar Physics 242, 65. "Helicity Patterns of the Active Regions Connected by Transequatorial Loops".
- Cho,M.K., Price,R.S. & Moon,Y. 2006, in SPIE vol.6273, Optomechanical Technologies for Astronomy, ed. E.Atad-Ettedgui, J.Antebi & D.Lemke, SPIE), 42.
- Chou,D., Moon,Y.J., Seonghwan,C., Baek,J., Kim,S.S., Cho,K.S. & Choe,G.S. 2009, Solar Physics 254, 311. "Statistical Analysis of the Relationships Among Coronal Holes, Corotating Interaction Regions, and Geomagnetic Storms".
- Choudhary,D.P. & Balasubramaniam,K.S. 2007, Astrophysical Journal 664, 1228. "Multiheight Properties of Moving Magnetic Features".
- Chu,Z., Zhang,J., Nie,Q. & Li,T. 2010, Solar Physics 264 , 1. "The Rotation Rates of Solar Magnetic Fields".
- Danilovic,S., Solanki,S.K., Livingston,W., Krivova,N.A. & Vince,I. 2007, in Modern Solar Facilities-- Advanced Solar Science, (Gottingen University).
- De Toma,G., Casini,R., Berger,E., Low,B.C., De Wijn,A.G., Burkepile,J.T. & Balasubramaniam,K.S. 2010, in ASP Conference Series no. 415, The Second Hinode Science Meeting: Beyond Discovery-- Toward Understanding, ed. B.W.Lites, M.Cheung, T.Magara, J.Mariska & K.Reeves, Astronomical Society of the Pacific), 163.
- Delannée,C., Torok,T., Aulanier,G. & Hochedez,J.F. 2008, Solar Physics 247, 123. "A New Model for Propagating Parts of EIT Waves: A Current Shell in a CME".

Demidov,M.L., Golubeva,E.M., Balthasar,H., Staude,J. & Grigoryev,V.M. 2008, Solar Physics 250, 279. "Comparison of Solar magnetic Fields Measured at Different Observatories: Peculiar Strength Ratio Distributions Across the Disk".

Deng,N., Choudhary,D.P., Tritschler,A., Denker,C., Liu,C. & Wang,H. 2007, Astrophysical Journal 671, 1013. "Flow Field Evolution of a Decaying Sunspot".

Deng,N. et al. 2006, Astrophysical Journal 644, 1278. "Multiwavelength Study of Flow Fields in Flaring Super Active Region NOAA 10486".

Denker,C., Deng,N., Rimmele,T.R. & Tritschler,A. 2007, Solar Physics 241, 317. "Field-Dependent Adaptive Optics Correction Derived with the Spectral Ratio Technique".

Denker,C., Tritschler,A. & Deng,N. 2008, Astronomische Nachrichten 329, 773. "High-Resolution Observations of Extremely Bright Penumbra Grains".

Denker,C. & Tritschler,A. 2009, in Cosmic Magnetic Fields: From Planets, to Stars and Galaxies. International Astronomical Union Symposium vol. 259, International Astronomical Union), 223.

Denker,C., Deng,N., Tritschler,A. & Yurchyshyn,V.B. 2007, Solar Physics 245, 219. "Two-Dimensional Spectroscopy of Photospheric Shear Flows in a Small Delta Spot".

Donea,A.C., Besliu-Ionescu,D., Cally,P.S., Lindsey,C. & Zharkova,V.V. 2006, Solar Physics 239, 113. "Seismic Emission from a M9.5- Class Solar Flare".

Dresing,N., Gomez-Herrero,R., Heber,B., Muller-Mellin,R., Wimmer-Schweingruber,R. & Klassen,A. 2009, Solar Physics 256, 409. "Multi-Spacecraft Observations of CIR-Associated Ion Increases During the Ulysses 2007 Ecliptic Crossing".

Elmore,D. 2010, Astronomische Nachrichten 999, 789. "Telescope Calibration using Polarization Calibration Data".

Elste,G. & Gilliam,L. 2007, Solar Physics 240, 9. "Limb-Darkening Measurements Free of Instrumental Stray Light".

Falchi,A., Teriaca,L. & Maltagliati,L. 2006, Solar Physics 239, 193. "The Evaporation Regime in a Confined Flare".

Falconer,D.A., Moore,R.L. & Gary,G.A. 2006, Astrophysical Journal 644, 1258. "Magnetic Causes of Solar Coronal Mass Ejections: Dominance of the Free Magnetic Energy Over the Magnetic Twist Alone".

Fontenla,J.M., Balasubramaniam,K.S. & Harder,J. 2007, Astrophysical Journal 667, 1243. "Semi-Empirical Models of the Solar Atmosphere II. The Quiet-Sun Low Chromosphere at Moderate Resolution".

Foukal,P., Bertello,L., Livingston,W., Pevtsov,A.A., Singh,J., Tlatov,A.G. & Ulrich,R. 2009, Solar Physics 255, 229. "A Century of Solar Ca II K Measurements and Their Implications for Solar UV Driving of Climate".

Gaizauskas,V. 2008, Astrophysical Journal 686, 1432. "Development of Flux Imbalances in Solar Activity Nests and the Evolution of Filament Channels".

Gary,G.A. 2009, Solar Physics 257, 271. "Evaluation of a Selected Case of the Minimum Dissipative Rate Method for Non-Force-Free Solar Magnetic Field Extrapolations".

- Georgoulis,M.K., Raouafi,N.E. & Henney,C.J. 2008, in ASP Conf.Ser.383, Subsurface and Atmospheric Influences on Solar Activity, ed. R.Howe, R.W.Komm, K.S.Balasubramaniam & G.J.Petrie, Astronomical Society of the Pacific), 107.
- Georgoulis,M.K., Rust,D.M., Pevtsov,A.A., Bernasconi,P.N. & Kuzanyan,K.M. 2009, Astrophysical Journal Letters. "Solar Magnetic Helicity Injected Into the Heliosphere: Magnitude, Balance, and Periodicities Over Solar Cycle 23".
- Giampapa,M.S., Hall,J.C., Radick,R.R. & Baliunas,S.L. 2006, Astrophysical Journal 651, 444. "A Survey of Chromospheric Activity in the Solar-Type Stars in the Open Cluster M67".
- Giampapa,M.S., Gibson,S., Harvey,J.W., Hill,F., Norton,A.A. & Pevtsov,A.A. 2009, in Astro2010: The Astronomy and Astrophysics Decadal Survey, ed. National Science Board, National Science Foundation).
- Gonzalez-Hernandez,I., Hill,F. & Lindsey,C. 2007, Astrophysical Journal 669, 1382. "Calibration of Seismic Signatures of Active Regions on the Far Side of the Sun".
- Gonzalez-Hernandez,I., Hill,F. & Lindsey,C. 2008, in ASP Conf.Ser.383, Subsurface and Atmospheric Influences on Solar Activity, ed. R.Howe, R.W.Komm & K.S.Balasubramaniam, Astronomical Society of the Pacific), 155.
- Gonzalez-Hernandez,I., Kholikov,S., Hill,F. & Howe,R. 2008, Solar Physics 252, 235. "Subsurface Meridional Circulation in the Active Belts".
- Goodrich,B. & Wampler,S. 2006, in SPIE vol.6274, Modeling, Systems Engineering, and Project Management for Astronomy II, ed. M.J.Cullum & G.Z.Angeli, SPIE), 61.
- Goodrich,B. 2006, in SPIE vol.6274, Modeling, Systems Engineering, and Project Management for Astronomy II., ed. M.J.Cullum & G.Z.Angeli, SPIE), 23.
- Grec,G., Uitenbroek,H., Faurobert,M. & Aime,C. 2009, Astronomy and Astrophysics 514, A91. "Measuring Line Formation Depths by Cross-Spectral Analysis: Numerical Simulations for the 630 nm Fe I Line Pair".
- Hanaoka,Y. 2006, Publications of the Astronomical Society of Japan. "H-alpha Stokes V/I Features Observed in a Solar Active Region".
- Hansen,E., Price,R. & Hubbard,R. 2006, in SPIE vol.6267, Space Telescopes and Instrumentation II: Ultraviolet to Gamma Ray, ed. M.J.Turner & G.Hasinger, SPIE), 131.
- Harvey,J.W., Branston,D., Henney,C.J., Keller,C.U. & and the SOLIS and GONG Teams. 2007, Astrophysical Journal Letters. "Seething Horizontal Magnetic Fields in the Quiet Solar Photosphere".
- Hill,F. 2007, Journal of Astrophysics and Astronomy. "Helioseismology and the Solar Cycle: Past, Present, and Future".
- Hill,F. 2006, in International Living with a Star (ILWS) Workshop: Solar Influence on the Heliosphere and Earth's Environment: Recent Progress and Prospects, ed. A.Bhattacharya & N.Gopalswamy, NASA).
- Hill,F. et al. 2006, in SPIE vol.6267, Space Telescopes and Instrumentation II: Ultraviolet to Gamma Ray., ed. M.J.Turner & G.Hasinger, SPIE), 59.

Hill,F., Bolding,J., Clark,R. & Donaldson Hanna,K. 2008, in ASP Conf.Ser.383, Subsurface and Atmospheric Influences on Solar Activity, ed. R.Howe, R.Komm, K.S.Balasubramaniam & G.J.Petrie, Astronomical Society of the Pacific), 227.

Hofmann,A. & Ruzdjak,D. 2007, Solar Physics 240, 107. "Favorable Magnetic Field Configurations for Generation of Flare-Associated Meter-Wave Type III Radio Bursts".

Howard,T.A. & Tappin,S.J. 2010, Space Weather (Online) 8 , S07004. "Application of a New Phenomenological Coronal Mass Ejection Model to Space Weather Forecasting".

Howard,T.A. & Simnett,G.M. 2007, Journal of Geophysical Research. "Interplanetary Coronal Mass Ejections That are Undetected by Coronagraphs".

Howard,T.A. & Tappin,S.J. 2009, Space Science Reviews 147, 31. "Interplanetary Coronal Mass Ejections Observed in the Heliosphere: 1. Review of Theory".

Howard,T.A. & Tappin,S.J. 2009, Space Science Reviews 147, 89. "Interplanetary Coronal Mass Ejections Observed in the Heliosphere: 3. Physical Implications".

Howard,T.A. & Falconer,D.A. 2007, Geophysical Research Letters. "The Energy Budget of Coronal Mass Ejections and Associated Flares".

Howard,T.A. & Tappin,S.J. 2008, Solar Physics 252, 373. "Three-Dimensional Reconstruction of Two Solar Coronal Mass Ejections Using the STEREO Spacecraft".

Howe,R., Chaplin,W.J., Elsworth,Y., Hill,F., Komm,R.W., Isaak,G.R. & New,R. 2006, Monthly Notices of the Royal Astronomical Society 369, 933. "Anomalous Variations in Low-Degree Helioseismic Mode Frequencies".

Howe,R., Haber,D.A., Hindman,B.W., Komm,R., Hill,F. & Gonzalez-Hernandez,I. 2008, in ASP Conf.Ser.383, Subsurface and Atmospheric Influences on Solar Activity, ed. R.Howe, R.W.Komm & K.S.Balasubramaniam, Astronomical Society of the Pacific), 305.

Howe,R. 2007, Advances in Space Research. "Helioseismology and the Solar Cycle".

Howe,R. et al. 2006, Solar Physics 235, 1. "Large-Scale Zonal Flows Near the Solar Surface".

Howe,R., Gonzalez-Hernandez,I., Hill,F. & Komm,R. 2007, in ESA SP-624, SOHO 18/GONG 2006/HELAS I: Beyond the Spherical Sun, ed. M.Thompson, European Space Agency).

Howe,R. 2007, in ESA SP-624, SOHO 18/GONG 2006/HELAS I: Beyond the Spherical Sun, ed. M.Thompson, European Space Agency).

Howe,R. et al. 2006, Astrophysical Journal 649, 1155. "Solar Convection Zone Dynamics: How Sensitive are Inversions to Subtle Dynamo Features?".

Howe,R., Bogart,R., Christensen-Dalsgaard,J., Rhodes,E.J., Rose,P. & Schou,J. 2007, in ESA SP-624, SOHO 18/GONG 2006/HELAS I: Beyond the Spherical Sun, ed. M.Thompson, European Space Agency).

Howe,R., Christensen-Dalsgaard,J., Hill,F., Komm,R., Schou,J., Thompson,M.J. & Toomre,J. 2007, Advances in Space Research. "Temporal Variations in Solar Rotation at the Bottom of the Convection Zone: the Current Status".

Hubbard,R., Rimmele,T.R., Schoening,T., Dalrymple,N., Poczulp,G. & Warner,M. 2006, in SPIE

vol.6267, Space Telescopes and Instrumentation II: Ultraviolet to Gamma Ray, ed. M.J.Turner & G.Hasinger, SPIE), 66.

Jain,K. et al. 2008, in ASP Conf.Ser.383, Subsurface and Atmospheric Influences on Solar Activity, ed. R.Howe, R.Komm, K.S.Balasubramaniam & G.J.Petrie, Astronomical Society of the Pacific), 389.

Jess,D.B., Mathioudakis,M., Christian,D.J., Keenan,F.P., Ryans,R.S. & Crockett,P.J. 2010, Solar Physics 261, 363. "ROSA: A High-Cadence, Synchronized Multi-Camera Solar Imaging System".

Jimenez-Reyes,S.J., Chaplin,W.J., Elsworth,Y., Garcia,R.A., Howe,R., Socas-Navarro,H. & Toutain,T. 2007, Astrophysical Journal 654, 1135. "On the Variation of the Peak Asymmetry of Low-L Solar p Modes".

Jones,H.P., Chapman,G.A., Harvey,K.L., Pap,J.M., Preminger,D.G., Turmon,M.J. & Walton,S.R. 2008, Solar Physics 248, 323. "A Comparison of Feature Classification Methods for Modeling Solar Irradiance Variation".

Judge,P. & Centeno,R. 2008, Astrophysical Journal 687, 1388. "On the Magnetic Structure of the Solar Transition Region".

Karachik,N., Pevtsov,A.A. & Abramenko,V.I. 2010, Astrophysical Journal 714, 1672. "Formation of Coronal Holes on the Ashes of Active Regions".

Karachik,N., Pevtsov,A.A. & Sattarov,I. 2006, Astrophysical Journal 642, 562. "Rotation of Solar Corona From Tracking of Coronal Bright Points".

Kariyappa,R., DeLuca,E.E., Saar,S.H., Golub,L., Dame,L., Pevtsov,A.A. & Varghese,B.A. 2010, Astronomy and Astrophysics. "Temperature Variability in X-Ray Bright Points Observed with Hinode/XRT".

Keil,S.L., Rimmele,T. & Wagner,G. 2008, Earth, Moon, and Planets 104, 77. "Advanced Technology Solar Telescope".

Keil,S.L., Rimmele,T. & DeForest,C. 2009, in Astro2010: The Astronomy and Astrophysics Decadal Survey, ed. National Science Board, National Science Board).

Kholikov,S. & Hill,F. 2008, Solar Physics 251, 157. "Acoustic Radius Measurements From MDI and GONG".

Kilpua,E.K. et al. 2009, Solar Physics 254, 325. "Multispacecraft Observations of Magnetic Clouds and Their Solar Origins Between 19 and 23 May 2007".

Kleint,L., Reardon,K., Stenflo,J.O., Uitenbroek,H. & Tritschler,A. 2009, in Solar Polarization 5: In Honor of Jan Stenflo, ASP Conference Series vol. 405, ed. S.V.Berdyugina, K.N.Nagendra & R.Ramelli, Astronomical Society of the Pacific), 247.

Komm,R., Howe,R., Hill,F., Miesch,M., Haber,D. & Hindman,B. 2007, Astrophysical Journal. "Divergence and Vorticity of Subsurface Flows Derived from Ring-Diagram Analysis of MDI and GONG Data".

Komm,R., Howe,R. & Hill,F. 2009, Solar Physics 258, 13. "Emerging and Decaying Magnetic Flux and Subsurface Flows".

Komm,R., Moses,D., Howe,R. & Hill,F. 2006, Astrophysical Journal. "Four Emerging Active

Regions Studied with Ring-Diagram Analysis".

Komm,R., Howe,R., Hill,F. & Gonzalez-Hernandez,I. 2008, Solar Physics. "Rotation Rate of Active Regions and Subsurface Zonal Flows".

Komm,R., Howe,R. & Hill,F. 2008, in ASPConf.Ser.383, Subsurface and Atmospheric Influences on Solar Activity, ed. R.Howe, R.Komm, K.S.Balasubramaniam & G.J.Petrie, Astronomical Society of the Pacific), 83.

Komm,R., Howe,R. & Hill,F. 2009, Solar Physics 254, 1. "Subsurface Zonal Flows".

Langangen,O., De Pontieu,B., Carlsson,M., Hansteen,V.H., Cauzzi,G. & Reardon,K. 2008, Astrophysical Journal 679, L167. "Search for High Velocities in the Disk Counterpart of Type II Spicules".

Lara,A. 2008, Astrophysical Journal 688, 647. "The Source Region of Coronal Mass Ejections".

Lee,C.O., Luhmann,J.G., Odstrcil,D., MacNeice,P.J., De Pater,I., Riley,P. & Arge,C.N. 2009, Solar Physics 254, 155. "The Solar Wind at 1 AU During the Declining Phase of Solar Cycle 23: Comparison of 3D Numerical Model Results with Observations".

Leibacher,J.W. 2007, Astronomische Nachrichten 328, 368. "Some Remarks on the State of Helioseismology".

Lindsey,C. & Donea,A.C. 2008, Solar Physics 251, 627. "Mechanics of Seismic Emission From Solar Flares".

Liu,C., Lee,J., Deng,N., Gary,D.E. & Wang,H. 2006, Astrophysical Journal 642, 1205. "Large-Scale Activities Associated with the 2003 October 29 X10 Flare".

Liu,Y., Norton,A.A. & Scherrer,P.H. 2006, Solar Physics. "A Note on Saturation Seen in the MDI/SOHO Magnetograms".

Livingston,W.C. & Sheeley,N.R. 2007, Astrophysical Journal. "Limits to the Radiative Asymmetry of the Quiet Solar Disk".

Livingston,W.C., Wallace,L., White,O.R. & Giampapa,M.S. 2007, Astrophysical Journal 657, 1137. "Sun-as-a-Star Spectrum Variations 1974-2006".

Livingston,W.C. & Penn,M.J. 2006, Science. "Sunspots May Vanish by 2015".

Livingston,W.C., Harvey,J.W., Malanushenko,O.V. & Webster,L. 2006, Solar Physics 239, 41. "Sunspots with the Strongest Magnetic Fields".

Lockwood,G.W. et al. 2007, Astrophysical Journal 171, 260. "Patterns of Photometric and Chromospheric Variation Among Sun-Like Stars: a 20-Year Perspective".

Mackay,D.H., Gaizauskas,V. & Yeates,A.R. 2008, Solar Physics 248, 51. "Where Do Solar Filaments Form? Consequences for Theoretical Models".

Maltagliati,L., Falchi,A. & Teriaca,L. 2006, Solar Physics 235, 125. "RHESSI Images and Spectra of Two Small Flares".

Mason,D., Komm,R., Hill,F., Howe,R., Haber,D. & Hindman,B.W. 2006, Astrophysical Journal 645, 1543. "Flares, Magnetic Fields, and Subsurface Vorticity. A Survey of GONG and MDI Data".

- Maurya,R.A. & Ambastha,A. 2010, Solar Physics 262, 337. "A Technique for Automated Determination of Flare Ribbon Separation and Energy Release".
- Metcalf,T.R. et al. 2006, Solar Physics 237, 267. "An Overview of Existing Algorithms for Resolving the 180 Degree Ambiguity in Vector Magnetic Fields: Quantitative Tests with Synthetic Data".
- Minarovjech,M., Rusin,V. & Saniga,M. 2008, Solar Physics 248, 167. "Coronal Mass Ejections, Magnetic Fields, and the Green Corona in Cycle 23".
- Moran,T.G., Jennings,D.E., Deming,D., McCabe,G.H., Sada,P.V. & Boyle,R.J. 2007, Solar Physics 241, 213. "Solar Magnetograms at 12 Microns Using the Celeste Spectrograph".
- Nagata,S., Bellot Rubio,L.R. & Katsukawa,Y. 2006, Astrophysical Journal 638, 539. "Dynamical Properties of Photospheric Flux Tubes at the Footpoints of Hot and Cool Coronal Loops".
- Norton,A.A. et al. 2006, Solar Physics 239, 69. "Spectral Line Selection for HMI: a Comparison of Fe I 6173 Angstroms and Ni I 6768 Angstroms".
- Norton,A.A. & Raouafi,N.E. 2008, in ASP Conf.Ser.383, Subsurface and Atmospheric Influences on Solar Activity, ed. R.Howe, R.Komm, K.S.Balasubramaniam & G.J.Petrie, Astronomical Society of the Pacific), 405.
- Norton,A.A., Raouafi,N.E. & Petrie,G.J. 2008, Astrophysical Journal 682, 1306. "The Tilted Solar Dipole as Observed and Modeled During the 1996 Solar Minimum".
- Odstrcil,D. & Pizzo,V.J. 2009, Solar Physics 259, 297. "Numerical Heliospheric Simulations as Assisting Tool for Interpretation of Observations by STEREO Heliospheric Imagers".
- Ofman,L. 2007, Astrophysical Journal 655, 1134. "Three-Dimensional MHD Model of Wave Activity in a Coronal Active Region".
- Penn,M. & MacDonald,R.K. 2007, Solar Physics (?). "Solar Cycle Changes in Sunspot Umbral Intensity".
- Penn,M.J. & Livingston,W.C. 2006, Astrophysical Journal Letters 649, L45. "Temporal Changes in Sunspot Umbral Magnetic Fields and Temperatures".
- Penza,V., Pietropaolo,E. & Livingston,W. 2006, Memorie della Societa Astronomica Italiana Supplement 9, 123. "Line Depth Variations Along the Solar Cycle: a Biennial Periodicity?".
- Penza,V., Pietropaolo,E. & Livingston,W.C. 2006, Astronomy and Astrophysics 454, 349. "Modeling the Cyclic Modulation of Photospheric Lines".
- Petrie,G.J. 2006, Astrophysical Journal Supplement Series 166, 378. "Filamentary Loop Systems and Spontaneous Current Sheets in the Solar Corona".
- Petrie,G.J. et al. 2008, in ASP Conf.Ser.383, Subsurface and Atmospheric Influences on Solar Activity, ed. R.Howe, R.Komm, K.S.Balasubramaniam & G.J.Petrie, Astronomical Society of the Pacific), 181.
- Petrie,G.J., Blokland,J.W. & Keppens,R. 2008, in ASP Conf.Ser.383, Subsurface and Atmospheric Influences on Solar Activity, ed. R.Howe, R.Komm, K.S.Balasubramaniam & G.J.Petrie, Astronomical Society of the Pacific), 413.

- Petrie,G.J. 2008, *Astrophysical Journal* 681, 1660. "On the Expansion of Quasi-Static, Twisted Coronal Loops in Uniform Gravity".
- Pevtsov,A.A., Dun,J.P. & Zhang,H.Q. 2006, *Solar Physics* 234, 203. "Helicity Measurements From Two Magnetographs".
- Pevtsov,A.A., Canfield,R.C., Sakurai,T. & Hagino,M. 2008, *Astrophysical Journal* 677, 719. "On the Solar Cycle Variation of the Hemispheric Helicity Rule".
- Pevtsov,A.A. 2008, *Journal of Astrophysics and Astronomy* 29, 49. "What Helicity Can Tell Us About Solar Magnetic Fields".
- Phelps,L., Barr,J., Dalrymple,N., Fraser,M., Hubbard,R., Wagner,G. & Warner,M. 2006, in *SPIE vol.6267, Space Telescopes and Instrumentation II: Ultraviolet to Gamma Ray.*, ed. M.J.Turner & G.Hasinger, SPIE), 111.
- Pick,M., Mason,G.M., Wang,Y.M., Tan,C. & Wang,L. 2006, *Astrophysical Journal* 648, 1247. "Solar Source Regions for 3 He-Rich Solar Energetic Particle Events Identified Using Imaging Radio, Optical, and Energetic Particle Observations".
- Pietarila,A., Socas-Navarro,H. & Bogdan,T. 2007, *Astrophysical Journal* 663, 1386. "Spectropolarimetric Observations of the Call  $\lambda$  8498 and  $\lambda$  8542 in the Quiet Sun".
- Preminger,D.G., Dibyendu,N., Chapman,G. & Martens,P. 2010, *Solar Physics* 264, 13. "Empirical Modeling of Radiative Versus Magnetic Flux for the Sun-as-a-Star".
- R.Howe, R.W.Komm, K.S.Balasubramaniam & G.J.Petrie. 2008, *Subsurface and Atmospheric Influences on Solar Activity*, (:Astronomical Society of the Pacific).
- Rabello-Soares,M.C., Korzennik,S.G. & Schou,J. 2008, *Solar Physics* 251, 197. "Analysis of MDI High-Degree Mode Frequencies and Their Rotational Splittings".
- Rajaguru,S.P., Sankarasubramanian,K., Wachter,R. & Scherrer,P.H. 2007, *Astrophysical Journal Letters* 654, L175. "Radiative Transfer Effects on Doppler Measurements as Sources of Surface Effects in Sunspot Seismology".
- Raouafi,N.E., Petrie,G.J., Norton,A.A., Henney,C.J. & Solanki,S.K. 2008, *Astrophysical Journal* 682, L137. "Evidence for Polar Jets as Precursors of Polar Plume Formation".
- Raouafi,N.E., Harvey,J.W. & Henney,C.J. 2007, *Astrophysical Journal* 669, 636. "Latitude Distribution of Polar Magnetic Flux in the Chromosphere Near Solar Minimum".
- Raouafi,N.E., Harvey,J.W. & Henney,C.J. 2008, in *ASP Conf.Ser.383, Subsurface and Atmospheric Influences on Solar Activity*, ed. R.Howe, R.W.Komm, K.S.Balasubramaniam & G.J.Petrie, Astronomical Society of the Pacific), 49.
- Raouafi,N.E. & Tripathi,D. 2008, in *ASP Conf.Ser.383, Subsurface and Atmospheric Influences on Solar Activity*, ed. R.Howe, R.Komm, K.S.Balasubramaniam & G.J.Petrie, Astronomical Society of the Pacific), 421.
- Raouafi,N.E., Harvey,J.W. & Solanki,S.K. 2007, *Astrophysical Journal* 658, 643. "Properties of Solar Polar Coronal Plumes Constrained by Ultraviolet Coronagraph Spectrometer Data".
- Reardon,K., Uitenbroek,H. & Cauzzi,G. 2009, *Astronomy and Astrophysics* 500, 1239. "The Solar Chromosphere at High Resolution with IBIS. III. Comparison of Ca II K and Ca II 854.2

Nanometer Imaging".

Reardon,K.P. 2008, Astrophysical Journal 683, L207. "Evidence of Shock-Driven Turbulence in the Solar Chromosphere".

Rimmele,T.R. 2008, Astrophysical Journal 672, 684. "On the Relation Between Umbral Dots, Dark-Cored Filaments, and Light Bridges".

Rimmele,T.R., Richards,K., Roche,J., Hegwer,S. & Tritschler,A. 2006, in SPIE vol.6272, Advances in Adaptive Optics II, ed. B.L.Ellerbroek & D.Bonaccini, SPIE), 5.

Rimmele,T.R. & Marino,J. 2006, Astrophysical Journal 646 , 593. "The Evershed Flow: Flow Geometry and its Temporal Evolution".

Rimmele,T.R. et al. 2006, in SPIE vol.6272, Advances in Adaptive Optics II, ed. B.L Ellerbroek & D.Bonaccini, SPIE), 33.

Robbins,S., Henney,C.J. & Harvey,J.W. 2006, Solar Physics 233, 265. "Solar Wind Forecasting with Coronal Holes".

Robinson,B.M., Balasubramaniam,K.S. & Gary,G.A. 2006, Optical Engineering 45, 3001. "Advanced Technology Solar Telescope Multiple Fabry Perot Interferometer Telecentric Optical Design".

Roudier,T., Malherbe,J.M., Svanda,M., Molodij,G., Keil,S.L. & et al. 2008, in SF2A-2008: Proceedings of the Annual Meeting of the French Society of Astronomy and Astrophysics, ed. C.Charbonnel, F.Combes & R.Samadi, French Society of Astronomy and Astrophysics (online)).

Salabert,D. & Jimenez-Reyes,S.J. 2006, Astrophysical Journal 650, 451. "Damping and Excitation Variations of the Solar Acoustic Modes Using LOWL Observations".

Sankarasubramanian,K. & Hagenar,M. 2006, in Second UN/NASA Workshop on international Heliophysical Year and Basic Space Science, 68.

Sankarasubramanian,K. et al. 2006, in ASP Conf.Ser.358, Solar Polarization 4, ed. R.Casini & B.W.Lites, Astronomical Society of the Pacific), 201.

Sattarov,I., Pevtsov,A.A., Karachik,N.V. & Sherdanov,C.T. 2007, Advances in Space Research 39, 1777. "On Anticorrelation of Number of Coronal Bright Points With Sunspot Number During 1996-2006".

Sattarov,I., Pevtsov,A.A., Karachik,N.V., Sherdanov,C.T. & Tillaboev,A.M. 2010, Solar Physics 262, 321. "Solar Cycle 23 in Coronal Bright Points".

Schad,T.A. & Penn,M.J. 2010, Solar Physics 262, 19. "Structural Invariance of Sunspot Umbrae Over the Solar Cycle: 1993-2004".

Schmieder,B., Aulanier,G., Mein,P. & Lopez Ariste,A. 2006, Solar Physics 238, 245. "Evolving Photospheric Flux Concentrations and Filament Dynamic Changes".

Schmieder,B. et al. 2008, Solar Physics 247, 321. "Magnetic Causes of the Eruption of a Quiescent Prominence".

Scholl,I.F. & Habbal,S.R. 2008, Solar Physics 248, 425. "Automatic Detection and Classification of Coronal Holes and Filaments Based on EUV and Magnetogram Observations of the Solar

Disk".

Schrijver, K. et al. 2009, in *Astro2010: The Astronomy and Astrophysics Decadal Survey*, ed. National Science Board, National Science Foundation).

Shen, C., Wang, Y., Ye, P. & Wang, S. 2006, *Astrophysical Journal* 639, 510. "Is There Any Evident Effect of Coronal Holes on Gradual Solar Energetic Particle Events".

Simunac, K.D., Kistler, L.M., Galvin, A.B. & Lee, M.A. et al. 2009, *Solar Physics* 259, 323. "In Situ Observations of Solar Wind Stream Interface Evolution".

Sivaraman, K.R., Gokhale, M.H., Sivaraman, H., Gupta, S.S. & Howard, R.F. 2007, *Astrophysical Journal* 657, 592. "Measurement of Kodaikanal White-Light Images: Relaxation of Tilts of Spot Groups as Indicator of Subsurface Dynamics of Parent Flux Groups".

Sivaraman, K.R., Antia, H.M., Chitre, S.M. & Makarova, V.V. 2008, *Solar Physics* 251, 149. "Zonal Velocity Bands and the Solar Activity Cycle".

Socas-Navarro, H. 2007, *Astrophysical Journal* 169, 439. "Semiempirical Models of Solar Magnetic Structures".

Socas-Navarro, H., Martinez Pilet, V., Elmore, D., Pietarila, A., Lites, B.W. & Manso Sainz, R. 2006, *Solar Physics* 235, 75. "Spectro-Polarimetric Observations and Non-LTE Modeling of Ellerman Bombs".

Socas-Navarro, H., Elmore, D., Pietarila, A., Darnell, A., Lites, B.W., Tomczyk, S. & Hegwer, S. 2006, *Solar Physics* 235, 55. "SPINOR: Visible and Infrared Spectro-Polarimetry at the National Solar Observatory".

Socas-Navarro, H. & Norton, A.A. 2007, *Astrophysical Journal Letters*. "The Solar Oxygen Crisis: Probably Not the Last Word".

Song, W. & Wang, J. 2006, *Astrophysical Journal* 643, L69. "Large-Scale Solar Cycle Features of Photospheric Magnetic Flux".

Song, W.B., Feng, X.S., Shen, F. & Zhang, Y.Z. 2009, *Solar Physics* 257, 83. "Variability of Extended Bipolar Regions".

Sriramachandran, P., Bagare, S.P., Rajamanickam, N. & Balachandrakumar, K. 2008, *Solar Physics* 252, 267. "Presence of LaO, ScO and VO Molecular Lines in Sunspot umbral Spectra".

Svanda, M., Kosovichev, A.G. & Zhao, J. 2007, *Astrophysical Journal Letters* 670, L69. "Speed of Meridional Flows and Magnetic Flux Transport on the Sun".

Sykora, J. & Rybak, J. 2010, *Solar Physics* 262, 321. "Manifestations of the North-South Asymmetry in the Photosphere and in the Green Line Corona".

Tan, C., Jing, J., Abramenko, V.I., Pevtsov, A.A., Song, H., Park, S. & Wang, H. 2007, *Astrophysical Journal* 665, 1460. "Statistical Correlations Between Parameters of Photospheric Magnetic Fields and Coronal Soft X-Ray Brightness".

Tappin, S.J. & Howard, T.A. 2009, *Astrophysical Journal* 702, 862. "Direct Observation of a Corotating Interaction Region by Three Spacecraft".

Tappin, S.J. & Howard, T.A. 2009, *Space Science Reviews* 147, 55. "Interplanetary Coronal Mass

- Ejections Observed in the Heliosphere: 2. Model and Data Comparison".
- Tappin,S.J. & Howard,T.A. 2010, Solar Physics 265, 159. "Reconstructing CME Structures from IPS Observations Using a Phenomenological Model".
- Tapping,K.F., Boteler,D., Charbonneau,P., Crouch,A., Manson,A. & Paquette,H. 2007, Solar Physics 246, 309. "Solar Magnetic Activity and Total Irradiance Since the Maunder Minimum".
- Tlatov,A.G., Pevtsov,A.A. & Singh,J. 2009, Solar Physics 255, 239. "A New Method of Calibration of Photographic Plates from Three Historic Data Sets".
- Tlatov,A.G., Vasileva,V.V. & Pevtsov,A.A. 2010, Astrophysical Journal 717, 357. "Distribution of Magnetic Bipoles on the Sun Over Three Solar Cycles".
- Tomczyk,S., McIntosh,S.W., Keil,S.L., Judge,P., Schad,T., Seeley,D.H. & Edmondson,J. 2007, Science 317, 1192. "Alfven Waves in the Solar Corona".
- Tomczyk,S. et al. 2008, Solar Physics 247, 411. "An Instrument to Measure Coronal Emission Line Polarization".
- Tripathy,S.C., Antia,H.M., Jain,K. & Hill,F. 2009, Astrophysical Journal 691, 365. "Comparison of High-Degree Solar Acoustic Frequencies and Asymmetry Between Velocity and Intensity Data".
- Tripathy,S.C., Hill,F., Jain,K. & Leibacher,J.W. 2007, Solar Physics 243, 105. "Solar Oscillation Frequency Changes on Time Scales of Nine Days".
- Tritschler,A., Uitenbroek,H. & Reardon,K. 2008, Astrophysical Journal Letters 686, L45. "Evidence for a Current Sheet Above a Sunspot Umbra".
- Tritschler,A., Muller,D.A., Schlichenmaier,R. & Hagenaar,H.J. 2007, Astrophysical Journal 671, L85. "Fine Structure of the Net Circular Polarization in a Sunspot Penumbra".
- Tritschler,A., Schmidt,W., Uitenbroek,H. & Wedemeyer-Bohm,S. 2007, Astronomy and Astrophysics 462, 303. "On the Fine Structure of the Quiet Solar Ca II K Atmosphere".
- Tritschler,A. 2009, in Beyond Discovery, Toward Understanding: Second Hinode Science Meeting, ed. B.W.Lites, M.Cheung, K.Reeves, J.Mariska & T.Magara, Astronomical Society of the Pacific), 1300.
- Tritschler,A. & Uitenbroek,H. 2006, Astrophysical Journal 648, 741. "The Contrast of Magnetic Flux Concentrations at Near-Infrared and Visible Wavelengths".
- Uitenbroek,H., Balasubramaniam,K.S. & Tritschler,A. 2006, Astrophysical Journal 645, 776. "Evidence for a Siphon Flow Ending Near the Edge of a Pore".
- Uitenbroek,H. & Tritschler,A. 2007, Astronomy and Astrophysics 462, 1157. "Narrow-Band Imaging in the CN Band at 388.33 nm".
- Uitenbroek,H. 2006, Astrophysical Journal 639, 525. "The Contrast of Magnetic Elements in Synthetic CH- and CN- Band Images of Solar Magnetoconvection".
- Uitenbroek,H., Tritschler,A. & Rimmele,T. 2007, Astrophysical Journal 668, 586. "The Discrepancy in G-Band Contrast: Where is the Quiet Sun?".
- Upton,R.S., Rimmele,T.R. & Hubbard,R. 2006, in SPIE vol.6271, Observatory Operations:

- Strategies, Processes, and Systems, ed. D.R.Silva & R.E.Doxsey, SPIE), 27.
- Vecchio,A., Cauzzi,G., Reardon,K.P., Janssen,K. & Rimmele,T. 2007, Astronomy and Astrophysics 461, L1. "Solar Atmospheric Oscillations and the Chromospheric Magnetic Topology".
- Viswanathan,B., Shanmugavel,R., Bagare,S.P., Rajamanickam,N. & Sriramachandran,P. 2009, Solar Physics 257, 261. "Identification of CrH and CrD Molecular Lines in the Sunspot Umbral Spectrum".
- Viticchie,B., Del Moro,D., Berrilli,F., Bellot Rubio,L.R. & Tritschler,A. 2009, Astrophysical Journal Letters 700, L145. "Imaging Spectropolarimetry with IBIS: Evolution of Bright Points in the Quiet Sun".
- Wachter,R., Schou,J. & Sankarasubramanian,K. 2006, Astrophysical Journal 648, 1256. "Line Shape Changes and Doppler Measurements in Solar Active Regions. I. A Method for Correcting Dopplergrams From SOHO MDI".
- Wagner,G. et al. 2006, in SPIE vol.6267, Space Telescopes and Instrumentation II: Ultraviolet to Gamma Ray., ed. M.J.Turner & G.Hasinger, SPIE), 9.
- Wampler,S. 2006, in SPIE vol.6274, Modeling, Systems Engineering, and Project Management for Astronomy II, ed. M.J.Cullum & G.Z.Angeli, SPIE), 30.
- Wang,Y.M., Pick,M. & Mason,G.M. 2006, Astrophysical Journal 639, 495. "Coronal Holes, Jets, and the Origin of (3)He-Rich Particle Events".
- Warner,M., Cho,M.K., Goodrich,B., Hansen,E., Hubbard,R., Lee,J.P. & Wagner,J. 2006, in SPIE vol.6267, Space Telescopes and Instrumentation II., ed. M.J.Turner & G.Hasinger, SPIE), 110.
- Webb,D.F. et al. 2006, Journal of Geophysical Research 111, 12101. "Solar Mass Ejection Imager (SMEI) Observations of Coronal Mass Ejections (CMEs) in the Heliosphere".
- Woger,F. & Von der Luhe,O. 2007, Applied Optics 46, 8015. "Field Dependent Amplitude Calibration of Adaptive Optics Supported Solar Speckle Imaging".
- Woger,F. 2010, Applied Optics 49, 1818. "Optical Transfer Functions Derived from Solar Adaptive Optics System Data".
- Woger,F., Von der Luhe,O. & Reardon,K. 2009, Astronomy and Astrophysics 488, 375. "Speckle Interferometry with Adaptive Optics Corrected Solar Data".
- Xu,Y. et al. 2006, Astrophysical Journal 641, 1210. "High-Resolution Observations of Multiwavelength Emissions During Two X-Class White-Light Flares".
- Yeates,A.R., Mackay,D.H. & van Ballegooijen,A.A. 2008, Astrophysical Journal 680, L165. "Evolution and Distribution of Current Helicity in Full-Sun Simulations".
- Yeates,A.R., Mackay,D.H. & van Ballegooijen,A.A. 2008, Solar Physics 247, 103. "Modelling the Global Solar Corona II: Coronal Evolution and Filament Chirality Comparison".
- Yeates,A.R., Constable,J.A. & Martens,P.C. 2010, Solar Physics 263, 121. "Solar Cycle Variation of Magnetic Flux Ropes in a Quasi-Static Coronal Evolution Model".
- Zaatri,A., Komm,R., Gonzalez-Hernandez,I., Howe,R. & Corbard,T. 2006, Solar Physics 236, 227.

"North-South Asymmetry of Zonal and Meridional Flows Determined from Ring Diagram Analysis of GONG Data".

Zhang,H., Sakurai,T., Pevtsov,A.A., Gao,Y., Xu,H., Sokoloff,D.D. & Kuzanyan,K. 2010, Monthly Notices of the Royal Astronomical Society 402, L30. "A New Dynamo Pattern Revealed by Solar Helical Magnetic Fields".

Zhukov,A.N., Saez,F., Lamy,P., Llebaria,A. & Stenborg,G. 2008, Astrophysical Journal 680, 1532. "The Origin of Polar Streamers in the Solar Corona".