

Bibliography from ADS file: stenflo.bib
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- Stenflo, J. O., “Cosmological constant caused by observer-induced boundary condition”, 2020JPhCo...4j5001S ADS
- Nagendra, K. N., Sowmya, K., Sampoorna, M., Stenflo, J. O., & Anusha, L. S., “Importance of Angle-dependent Partial Frequency Redistribution in Hyperfine Structure Transitions Under the Incomplete Paschen-Back Effect Regime”, 2020ApJ...898...49N ADS
- Sampoorna, M., Nagendra, K. N., Sowmya, K., Stenflo, J. O., & Anusha, L. S., “Polarized Line Formation in Arbitrary Strength Magnetic Fields: The Case of a Two-level Atom with Hyperfine Structure Splitting”, 2019ApJ...883...188S ADS
- Stenflo, J. O., “Origin of the cosmological constant”, 2019Ap&SS.364..143S ADS
- Stenflo, J. O., “Stokes vectors and Minkowski spacetime: Structural parallels.”, 2019spw...confE...15S ADS
- Nagendra, K. N., Sowmya, K., Sampoorna, M., Stenflo, J. O., & Anusha, L. S., “Polarized Line Transfer in the Incomplete Paschen-Back Effect Regime with Angle-dependent Partial Frequency Redistribution.”, 2019spw...confE...13N ADS
- Sampoorna, M., Nagendra, K. N., Sowmya, K., Stenflo, J. O., & Anusha, L. S., “Polarized Line Formation with Incomplete Paschen-Back Effect and Partial Frequency Redistribution”, 2019ASPC...519...113S ADS
- Sampoorna, M., Nagendra, K. N., Frisch, H., & Stenflo, J. O., “Effects of Angle-Dependent Partial Frequency Redistribution on Polarized Line Profiles”, 2019ASPC...519...109S ADS
- Stenflo, J. O., “Summary Talk: Looking Ahead”, 2019ASPC...526...369S ADS
- Ramelli, R., Bianda, M., Setzer, M., et al., “Atlas of the Solar Intensity Spectrum and its Center-to-Limb Variation”, 2019ASPC...526...287R ADS
- Supriya, H. D., Nagendra, K. N., Sampoorna, M., Stenflo, J. O., & Ravindra, B., “Effects of Lower-Level Polarization and Partial Frequency Redistribution on Stokes Profiles”, 2019ASPC...526...61S ADS
- Stenflo, J. O., “The Kramers-Heisenberg Coherency Matrix”, 2019ASPC...526...49S ADS
- Sowmya, K., Nagendra, K. N., Sampoorna, M., & Stenflo, J. O., “Partial Frequency Redistribution Theory with Paschen-Back Effect: Application to Li I 6708 Å Lines”, 2019ASPC...526...43S ADS
- Bianda, M., Berdyugina, S., Gisler, D., et al., “Spatial variations of the Sr I 4607 Å scattering polarization peak”, 2018A&A...614A...89B ADS
- Stenflo, J. O., “History of Solar Magnetic Fields Since George Ellery Hale”, in A. Balogh, E. Cliver, G. Petrie, S. Solanki, M. Thompson, and R. von Steiger (Eds.), Solar Magnetic Fields. Series: Space Sciences Series of ISSI, Vol. 57, 5–35 2018smf...book...5S ADS
- Stenflo, J. O., “History of Solar Magnetic Fields Since George Ellery Hale”, 2017SSRv...210...5S ADS
- Ramelli, R., Setzer, M., Engelhard, M., et al., “Atlas of the solar intensity spectrum and its center to limb variation”, 2017arXiv170803284R ADS
- Sampoorna, M., Nagendra, K. N., & Stenflo, J. O., “Polarized Line Formation in Arbitrary Strength Magnetic Fields Angle-averaged and Angle-dependent Partial Frequency Redistribution”, 2017ApJ...844...97S ADS
- Stenflo, J. O., “Transition of the Sunspot Number from Zurich to Brussels in 1980: A Personal Perspective”, 2016SoPh...291.2487S ADS
- Supriya, H. D., Sampoorna, M., Nagendra, K. N., Stenflo, J. O., & Ravindra, B., “Polarized Line Formation with Lower-level Polarization and Partial Frequency Redistribution”, 2016ApJ...828...84S ADS
- Stenflo, J. O., “The Sun’s spectrally resolved center-to-limb variation”, 2016SPD...47.1208S ADS
- Sowmya, K., Nagendra, K. N., Sampoorna, M., & Stenflo, J. O., “Polarized Scattering of Light for Arbitrary Magnetic Fields with Level-crossings from the Combination of Hyperfine and Fine Structure Splittings”, 2015ApJ...814...127S ADS
- Supriya, H. D., Smitha, H. N., Nagendra, K. N., et al., “Modeling the center-to-limb variation of the Ca i 4227 Å line using FCHHT models”, 2015IAUS...305...381S ADS
- Smitha, H. N., Nagendra, K. N., Stenflo, J. O., et al., “A revisit to model the Cr i triplet at 5204-5208 Å and the Ba ii D₂ line at 4554 Å in the Second Solar Spectrum”, 2015IAUS...305...372S ADS
- Sowmya, K., Nagendra, K. N., Sampoorna, M., & Stenflo, J. O., “Paschen-Back effect involving atomic fine and hyperfine structure states”, 2015IAUS...305...154S ADS
- Stenflo, J. O., “Coherence structure of D₁ scattering”, 2015IAUS...305...136S ADS
- Ramelli, R., Bianda, M., Berdyugina, S., Stenflo, J. O., & Belluzzi, L., “Synoptic program to measure the evolution of the photospheric magnetic field during a solar cycle”, 2015IAUGA...2257074R ADS
- Ramelli, R., Setzer, M., Engelhard, M., et al., “Atlas of the center to limb variation of the solar intensity spectrum.”, 2015IAUGA...2256989R ADS
- Stenflo, J. O., “The Sun”, in Polarimetry of Stars and Planetary Systems, 267 2015psps.book...267S ADS
- Stenflo, J. O., “Physics of Polarized Scattering at Multi-level Atomic Systems”, 2015ApJ...801...70S ADS
- Stenflo, J. O., “FTS atlas of the Sun’s spectrally resolved center-to-limb variation”, 2015A&A...573A...74S ADS
- Smitha, H. N., Nagendra, K. N., Stenflo, J. O., Bianda, M., & Ramelli, R., “The Quantum Interference Effects in the Sc II 4247 Å Line of the Second Solar Spectrum”, 2014ApJ...794...30S ADS
- Sowmya, K., Nagendra, K. N., Sampoorna, M., & Stenflo, J. O., “Polarized Light Scattering with the Paschen-Back Effect, Level-crossing of Fine Structure States, and Partial Frequency Redistribution”, 2014ApJ...793...71S ADS
- Smitha, H. N., Nagendra, K. N., Stenflo, J. O., & Sampoorna, M., “The Role of Quantum Interference and Partial Redistribution in the Solar Ba II D₂ 4554 Å Line”, 2014ASPC...489...213S ADS
- Bianda, M., Ramelli, R., Gisler, D., & Stenflo, J. O., “Solar Cycle Variations of the Second Solar Spectrum”, 2014ASPC...489...167B ADS
- Demidov, M. L., Stenflo, J. O., Bianda, M., & Ramelli, R., “Conversion of the 6302 / 6301 Stokes V Line Ratio to the 5250 / 5247 Ratio for the Diagnostics of Quiet-Sun Magnetic Fields”, 2014ASPC...489...21D ADS
- Stenflo, J. O., “Nature of Quiet-Sun Magnetic Fields”, 2014ASPC...489...3S ADS
- “Solar Polarization?”, 2014ASPC...489...N ADS
- Supriya, H. D., Smitha, H. N., Nagendra, K. N., et al., “Center-to-limb Observations and Modeling of the Ca I 4227 Å Line”, 2014ApJ...793...42S ADS
- Sowmya, K., Nagendra, K. N., Stenflo, J. O., & Sampoorna, M., “Polarized Scattering with Paschen-Back Effect, Hyperfine Structure, and Partial Frequency Redistribution in Magnetized Stellar Atmospheres”, 2014ApJ...786...150S ADS
- Karimov, A. R., Yu, M. Y., Stenflo, L., & Stenflo, “Asymmetric oscillatory expansion of a cylindrical plasma”, 2013JPlPh...79.1007K ADS
- Brodin, G., Stenflo, L., & Stenflo, “Stimulated Brillouin scattering in magnetized plasmas”, 2013JPlPh...79...983B ADS
- Brodin, G., Stenflo, L., & Stenflo, “Alfven wave interactions within the Hall-MHD description”, 2013JPlPh...79...909B ADS
- Stenflo, J. O., “Solar magnetic fields as revealed by Stokes polarimetry”, 2013A&Arv...21...66S ADS
- Stenflo, J. O., Demidov, M. L., Bianda, M., & Ramelli, R., “Calibration of the 6302/6301 Stokes V line ratio in terms of the 5250/5247 ratio”, 2013A&A...556A.113S ADS
- Stenflo, J. O., “Nature of the solar dynamo at small scales”, 2013IAUS...294...119S ADS
- Stenflo, J. O., “Horizontal or vertical magnetic fields on the quiet Sun. Angular distributions and their height variations”, 2013A&A...555A.132S ADS
- Sampoorna, M., Nagendra, K. N., & Stenflo, J. O., “Line-interlocking Effects on Polarization in Spectral Lines by Rayleigh and Raman Scattering”, 2013ApJ...770...92S ADS
- Smitha, H. N., Nagendra, K. N., Stenflo, J. O., & Sampoorna, M., “Modeling the Quantum Interference Signatures of the Ba II D₂ 4554 Å Line in the Second Solar Spectrum”, 2013ApJ...768...163S ADS
- Bingham, R., Eliasson, B., Mendonca, T., Stenflo, L., & Stenflo, “Padma Kant Shukla 1950-2013”, 2013JPlPh...79...119B ADS
- Bianda, M., Ramelli, R., Stenflo, J., et al., “The project of installing a ZIMPOL3 polarimeter at GREGOR in Tenerife”, 2013MmSAI...84...413B ADS
- Smitha, H. N., Nagendra, K. N., Sampoorna, M., & Stenflo, J. O., “Polarized line formation with J-state interference in the presence of magnetic fields: A Heuristic treatment of collisional frequency redistribution”, 2013JQSRT.115...46S ADS
- Stenflo, J. O., “Basal magnetic flux and the local solar dynamo”, 2012A&A...547A...93S ADS
- Smitha, H. N., Sowmya, K., Nagendra, K. N., Sampoorna, M., & Stenflo, J. O., “Polarized Line Transfer with F-state Interference in a Non-magnetic Medium: Partial Frequency Redistribution Effects in the Collisionless Regime”, 2012ApJ...758...112S ADS
- Stenflo, J. O., “Angular Distribution of Quiet-Sun Magnetic Fields”, 2012ASPC...454...33S ADS
- Frisch, H., Anusha, L. S., Bianda, M., et al., “Forward-scattering Hanle effect in the solar Ca I 4227 Å line”, 2012EAS...55...59F ADS
- Smitha, H. N., Nagendra, K. N., Stenflo, J. O., et al., “J-state interference signatures in the second solar spectrum. Modeling the Cr i triplet at 5204-5208 Å”, 2012A&A...541A...24S ADS
- Stenflo, J. O., “Scaling laws for magnetic fields on the quiet Sun”, 2012A&A...541A...17S ADS
- Stenflo, J., “Scaling laws for quiet-sun magnetic fields”, 2012decs.confE...23S ADS

- Stenflo, J. O. & Kosovichev, A. G., “Bipolar Magnetic Regions on the Sun: Global Analysis of the SOHO/MDI Data Set”, 2012ApJ...745..129S ADS
- Smitha, H. N., Nagendra, K. N., Sampoorna, M., & Stenflo, J. O., “Radiative transfer with J-state interference in a two-term atom. Partial frequency redistribution in the non-magnetic case”, 2011A&A...535A..35S ADS
- Anusha, L. S., Nagendra, K. N., Bianda, M., et al., “Analysis of the Forward-scattering Hanle Effect in the Ca I 4227 Å Line”, 2011ApJ...737...95A ADS
- Bianda, M., Ramelli, R., Anusha, L. S., et al., “Observations of the forward scattering Hanle effect in the Ca I 4227 Å line”, 2011A&A...530L..13B ADS
- Kitiashvili, I., Kosovichev, A. G., Mansour, N. N., Stenflo, J. O., & Wray, A. A., “High-resolution 3D Radiative MHD Simulations Of Turbulent Convection And Spectro-polarimetric Properties”, 2011SPD...42..1708K ADS
- Smitha, H. N., Sampoorna, M., Nagendra, K. N., & Stenflo, J. O., “Polarized Line Formation with J-state Interference in the Presence of Magnetic Fields. I. Partial Frequency Redistribution in the Collisionless Regime”, 2011ApJ...733...4S ADS
- Stenflo, J. O., “Collapsed, uncollapsed, and hidden magnetic flux on the quiet Sun”, 2011A&A...529A..42S ADS
- Stenflo, J. O., “Summary Talk”, 2011ASPC..437..501S ADS
- Bianda, M., Ramelli, R., Stenflo, J. O., et al., “Observations of the Solar Ca I 4227 Å Line”, 2011ASPC..437...67B ADS
- Anusha, L. S., Stenflo, J. O., Frisch, H., et al., “Linear Polarization of the Solar Ca I 4227 Å Line: Modeling with Radiative Transfer and Last Scattering Approximation”, 2011ASPC..437...57A ADS
- Stenflo, J. O., “Unsolved Problems in Solar Polarization”, 2011ASPC..437...3S ADS
- Stenflo, J. O., “Magnetic fields on the quiet Sun”, 2011CEAB...35...1S ADS
- Anusha, L. S., Nagendra, K. N., Stenflo, J. O., et al., “Generalization of the Last Scattering Approximation for the Second Solar Spectrum Modeling: The Ca I 4227 Å Line as a Case Study”, 2010ApJ...718..988A ADS
- Ramelli, R., Balemi, S., Bianda, M., et al., “ZIMPOL-3: a powerful solar polarimeter”, 2010SPIE.7735E...1YR ADS
- Stenflo, J. O., “Distribution functions for magnetic fields on the quiet Sun”, 2010A&A...517A..37S ADS
- Stenflo, J. O., “Probability distribution functions for the Sun’s magnetic field”, 2010AN...331..585S ADS
- Stenflo, J. O., “Probability distribution functions for solar and stellar magnetic fields”, 2010IAUS..264..191S ADS
- Stenflo, J. O., “Stokes polarimetry of the Zeeman and Hanle effects”, 2010ISSIR...9..543S ADS
- Stenflo, J. O., “Measuring the Hidden Aspects of Solar Magnetism”, 2010ASSP...19..101S ADS
- Sampoorna, M., Stenflo, J. O., Nagendra, K. N., et al., “Origin of Spatial Variations of Scattering Polarization in the Wings of the Ca I 4227 Å Line”, 2009ApJ...699.1650S ADS
- Ramelli, R., Bianda, M., Stenflo, J. O., & Jetzer, P., “Solar Research Programs at IRSOL, Switzerland”, 2009arXiv0906.2348R ADS
- Kleint, L., Reardon, K., Stenflo, J. O., Uitenbroek, H., & Tritschler, A., “Spectropolarimetry of Ca II 8542: Probing the Chromospheric Magnetic Field”, 2009ASPC..405..247K ADS
- Thalmann, C., Stenflo, J. O., Feller, A., & Cacciani, A., “Magnetic Field Dependence of Polarized Scattering on Potassium”, 2009ASPC..405..113T ADS
- Sampoorna, M., Nagendra, K. N., & Stenflo, J. O., “Theory of Polarized Scattering in the Mixed Hanle-Zeeman Regime”, 2009ASPC..405...93S ADS
- Stenflo, J. O., “The Sun as a Rosetta Stone for Polarization Physics”, 2009ASPC..405...3S ADS
- de Wijn, A. G., Stenflo, J. O., Solanki, S. K., & Tsuneta, S., “Small-Scale Solar Magnetic Fields”, 2009SSRv...144..275D ADS
- Stenflo, J. O., “The second solar spectrum and the hidden magnetism”, 2009IAUS..259..211S ADS
- de Wijn, A. G., Stenflo, J. O., Solanki, S. K., & Tsuneta, S., “Small-Scale Solar Magnetic Fields”, in M. J. Thompson, A. Balogh, J. L. Culhane, Å. Nordlund, S. K. Solanki, and J. P. Zahn (Eds.), The Origin and Dynamics of Solar Magnetism, Vol. 32, 275 2009odsm.book..275D ADS
- Kosovichev, A. G., Arlt, R., Bonanno, A., et al., “Solar Dynamo and Magnetic Self-Organization”, 2009astro2010S.160K ADS
- Stenflo, J. O., “Magnetic structuring at spatially unresolved scales”, 2009MmSAI...80..690S ADS
- Stenflo, J. O., “The Photosphere as a Laboratory for Quantum Physics”, 2009CEAB...33...1S ADS
- Kosovichev, A. G. & Stenflo, J. O., “Tilt of Emerging Bipolar Magnetic Regions on the Sun”, 2008ApJ...688L.115K ADS
- Sampoorna, M., Nagendra, K. N., Frisch, H., & Stenflo, J. O., “Zeeman line formation in solar magnetic fields. Studies with empirical probability distribution functions”, 2008A&A...485..275S ADS
- Sampoorna, M., Nagendra, K. N., & Stenflo, J. O., “Hanle-Zeeman Redistribution Matrix. III. Solution of the Polarized Line Formation Problem”, 2008ApJ...679..889S ADS
- Stenflo, J. O., “Solar magnetic fields”, 2008JApA...29...19S ADS
- Sampoorna, M., Nagendra, K. N., & Stenflo, J. O., “Hanle-Zeeman Redistribution Matrix. II. Comparison of Classical and Quantum Electrodynamics Approaches”, 2007ApJ...670.1485S ADS
- Shapiro, A. I., Berdyugina, S. V., Fluri, D. M., & Stenflo, J. O., “Hanle effect in the CN violet system with LTE modeling”, 2007A&A...475..349S ADS
- Kuhn, J. R., Berdyugina, S. V., Fluri, D. M., Harrington, D. M., & Stenflo, J. O., “A New Mechanism for Polarizing Light from Obscured Stars”, 2007ApJ...668L..63K ADS
- Holzreuter, R. & Stenflo, J. O., “Scattering polarization in strong chromospheric lines. III. Spatial fluctuations of the polarized Ca II k line profiles”, 2007A&A...472..919H ADS
- Stenflo, J., “Science with flare”, 2007Natur.448...27S ADS
- Wills-Davey, M. J., DeForest, C. E., & Stenflo, J. O., “Are ‘EIT Waves’ Fast-Mode MHD Waves?”, 2007ApJ...664..556W ADS
- Sampoorna, M., Nagendra, K. N., & Stenflo, J. O., “Hanle-Zeeman Redistribution Matrix. I. Classical Theory Expressions in the Laboratory Frame”, 2007ApJ...663..625S ADS
- Feller, A., Ramelli, R., Stenflo, J. O., & Gisler, D., “Measurement of the Polarization of the Flash Spectrum during a Total Solar Eclipse”, 2007ASPC..368..627F ADS
- Kosovichev, A. G. & Stenflo, J. O., “Investigation of Magnetic Properties of Emerging Active Regions”, 2007AAS...210.9214K ADS
- Holzreuter, R. & Stenflo, J. O., “Scattering polarization in strong chromospheric lines. II. Influence of the temperature curve on the Ca II K line”, 2007A&A...467..695H ADS
- Stenflo, J. O., “Magnetic Structures on the Sun”, 2007AIPC..895...99S ADS
- “International Symposium on Solar Physics and Solar Eclipses (SPSE 2006)”, 2007spse.conf...R ADS
- Shapiro, A. I., Berdyugina, S. V., Fluri, D. M., & Stenflo, J. O., “Molecular Hanle effect in the Paschen-Back regime: theory and application”, 2007msfa.conf..317S ADS
- Feller, A., Bianda, M., & Stenflo, J. O., “Imaging polarimetry with a tunable narrow-band filter”, 2007msfa.conf...63F ADS
- Bianda, M., Ramelli, R., Feller, A., Stenflo, J. O., & Küveler, G., “Instrumental developments at the Gregory Coudé Telescope (GCT) at IRSOL”, 2007msfa.conf...59B ADS
- Stenflo, J. O., “Solar Active Regions”, 2007RoAJ...17S..69S ADS
- Stenflo, J. O., “Solar polarimetry with ZIMPOL. Plans for the future”, 2007MmSAI...78..181S ADS
- Bianda, M., Ramelli, R., & Stenflo, J. O., “Variation of the second solar spectrum with the solar cycle.”, 2007MmSAI...78...38B ADS
- Shapiro, A. I., Fluri, D. M., Berdyugina, S. V., & Stenflo, J. O., “Molecular Hanle effect in the Paschen-Back regime”, 2007A&A...461..339S ADS
- Ramelli, R., Bianda, M., Trujillo Bueno, J., Merenda, L., & Stenflo, J. O., “Spectro-Polarimetry of Solar Prominences”, 2006ASPC..358..471R ADS
- Bianda, M., Ramelli, R., Trujillo Bueno, J., & Stenflo, J. O., “Spectro-Polarimetric Observations of Filaments in H α and He I D $_3$ ”, 2006ASPC..358..454B ADS
- Thalmann, C., Stenflo, J. O., Feller, A., & Cacciani, A., “Laboratory Experiment for Polarized Scattering at Potassium Vapor”, 2006ASPC..358..323T ADS
- Shapiro, A. I., Fluri, D. M., Berdyugina, S. V., & Stenflo, J. O., “Hanle Effect in the Paschen-Back Regime”, 2006ASPC..358..311S ADS
- Fluri, D. M., Holzreuter, R., & Stenflo, J. O., “Polarized Scattering in Strong Chromospheric Lines: Theory and Its Confrontation with Observations”, 2006ASPC..358..237F ADS
- Stenflo, J. O., “Second Solar Spectrum: A Brief Overview”, 2006ASPC..358..215S ADS
- Feller, A., Boller, A., & Stenflo, J. O., “Tunable Narrow-Band Filter for Imaging Polarimetry”, 2006ASPC..358..155F ADS
- Berdyugina, S. V., Fluri, D. M., Ramelli, R., et al., “First Polarimetric Measurements and Modeling of the Paschen-Back Effect in CaH Transitions”, 2006ApJ...649L..49B ADS
- Wills-Davey, M., DeForest, C. E., & Stenflo, J. O., “‘EIT Waves’ as Coronal Solitons: Explaining The Nature of Large-Scale Coronal Pulse Waves”, 2006SPD...37.1006W ADS
- Holzreuter, R., Fluri, D. M., & Stenflo, J. O., “Ca II K polarization as a diagnostic of temperature bifurcation”, 2006A&A...449L..41H ADS
- Stenflo, J. O., “Introductory Remarks by the Chairman of the Scientific Organizing Committee”, 2006spse.confD...1S ADS

- Ramelli, R., Bianda, M., Stenflo, J. O., & Jetzer, P., "Solar Research Programs at IRSOL, Switzerland", 2006spse.conf..121R ADS
- Feller, A., Stenflo, J. O., Gisler, D., & Ramelli, R., "Eclipse Instrument to Record the Polarization of the Flash Spectrum", 2006spse.conf..15F ADS
- Stenflo, J. O., "Polarization at the Extreme Limb of the Sun and the Role of Eclipse Observations", 2006spse.conf..1S ADS
- , "Conclusions of the Symposium", 2006spse.conf..5S ADS
- , "International Symposium on Solar Physics and Solar Eclipses", 2006spse.conf..R ADS
- Schmid, H. M., Gisler, D., Joos, F., et al., "ZIMPOL/CHEOPS: a Polarimetric Imager for the Direct Detection of Extra-solar Planets", 2005ASPC..343..89S ADS
- Ramelli, R., Bianda, M., Trujillo Bueno, J., Merenda, L., & Stenflo, J. O., "Spectropolarimetric Observations of Prominences and Spicules, and Magnetic Field Diagnostics", 2005ESASP.596E..82R ADS
- Knaack, R., Stenflo, J. O., & Berdyugina, S. V., "Evolution and rotation of large-scale photospheric magnetic fields of the Sun during cycles 21-23. Periodicities, north-south asymmetries and r-mode signatures", 2005A&A...438.1067K ADS
- Knaack, R. & Stenflo, J. O., "Spherical harmonic decomposition of solar magnetic fields", 2005A&A...438..349K ADS
- Bianda, M., Benz, A. O., Stenflo, J. O., Küveler, G., & Ramelli, R., "Absence of linear polarization in H α emission of solar flares", 2005A&A...434.1183B ADS
- Holzreuter, R., Fluri, D. M., & Stenflo, J. O., "Scattering polarization in strong chromospheric lines. I. Explanation of the triplet peak structure", 2005A&A...434..713H ADS
- Stenflo, J. O., "Polarization of the Sun's continuous spectrum", 2005A&A...429..713S ADS
- Rimmele, T. R., Hubbard, R. P., Balasubramaniam, K. S., et al., "Instrumentation for the Advanced Technology Solar Telescope", 2004SPIE.5492..944R ADS
- Gisler, D., Schmid, H. M., Thalmann, C., et al., "CHEOPS/ZIMPOL: a VLT instrument study for the polarimetric search of scattered light from extrasolar planets", 2004SPIE.5492..463G ADS
- Gandorfer, A. M., Steiner, H. P. P., Aebersold, F., et al., "Solar polarimetry in the near UV with the Zurich Imaging Polarimeter ZIMPOL II", 2004A&A...422..703G ADS
- Stenflo, J. O., "Solar physics: Hidden magnetism", 2004Natur.430..304S ADS
- Wills-Davey, M. J., DeForest, C. E., & Stenflo, J. O., "A Soliton Solution for the Solar Corona: 'EIT Waves' Explained", 2004AAS...204.2901W ADS
- Knaack, R., Stenflo, J. O., & Berdyugina, S. V., "Periodic oscillations in the north-south asymmetry of the solar magnetic field", 2004A&A...418L..17K ADS
- Stenflo, J. O., "The New World of Scattering Physics Seen by High-precision Imaging Polarimetry (With 14 Figures)", 2004RvMA...17..269S ADS
- Knaack, R. & Stenflo, J. O., "Large Scale Solar Magnetic Fields: Temporal Variations", 2004IAUS..219..552K ADS
- Stenflo, J. O., "Imaging polarimetry: opportunities and limitations", 2003SPIE.4843..76S ADS
- Fluri, D. M. & Stenflo, J. O., "Depolarizing lines in the Sun's spectrum", 2003A&A...398..763F ADS
- Stenflo, J. O., "Spectro-polarimetry", in B. N. Dwivedi and F. b. E. N. Parker (Eds.), Dynamic Sun, 128-147 2003dysu.book..128S ADS
- Stenflo, J. O., "Spectro-polarimetric Observations: What's Next?", 2003ASPC..307..583S ADS
- Bianda, M., Stenflo, J. O., Gandorfer, A., Gisler, D., & Küveler, G., "Search for Impact Polarization in H α Flares", 2003ASPC..307..487B ADS
- Stenflo, J. O., "Scattering Polarization in Magnetic Fields: Anomalies, Surprises and Enigmas", 2003ASPC..307..385S ADS
- Klement, J. & Stenflo, J. O., "Influence of Collisions and Magnetic Fields on the Polarization of the Na I D₁ and D₂ Lines", 2003ASPC..307..278K ADS
- Fluri, D. M., Holzreuter, R., Klement, J., & Stenflo, J. O., "Radiative Transfer in Na I D₂ and D₁", 2003ASPC..307..263F ADS
- Berdyugina, S. V., Solanki, S. K., & Stenflo, J. O., "Molecules as Diagnostics of Solar and Stellar Magnetic Fields", 2003ASPC..307..181B ADS
- Stenflo, J. O. & Holzreuter, R., "Distribution of Magnetic Fields at Scales Beyond the Spatial Resolution Limit", 2003ASPC..286..169S ADS
- Bianda, M., Stenflo, J. O., Gandorfer, A., & Gisler, D., "Enigmatic Magnetic Field Effects in the Scattering Polarization of the Ca I 4227 Å Line", 2003ASPC..286..61B ADS
- Stenflo, J. O. & Holzreuter, R., "Flux tubes or fractal distributions - on the nature of photospheric magnetic fields", 2003AN...324..397S ADS
- Knaack, R. & Stenflo, J. O., "Harmonic analysis of solar magnetic fields", 2002ESASP.505..453K ADS
- Stenflo, J. O. & Holzreuter, R., "Empirical view of magnetoconvection", 2002ESASP.505..101S ADS
- Stenflo, J. O., Gandorfer, A., Holzreuter, R., et al., "Spatial mapping of the Hanle and Zeeman effects on the Sun", 2002A&A...389..314S ADS
- Berdyugina, S. V., Stenflo, J. O., & Gandorfer, A., "Molecular line scattering and magnetic field effects: Resolution of an enigma", 2002A&A...388.1062B ADS
- Vakili, F., Chesneau, O., Delplancke, F., et al., "Scientific Drivers for a Future Polarimetric Mode for the VLT: VISPER", 2002sdef.conf..331V ADS
- Schmid, H. M., Appenzeller, I., Stenflo, J. O., & Kaufer, A., "Imaging Polarimetry and Spectropolarimetry of Bright Objects", 2002sdef.conf..231S ADS
- Stenflo, J. O., "Polarized radiation diagnostics of solar magnetic fields", 2002apsp.conf..55S ADS
- Stenflo, J., "Solar Magnetic Field: Zeeman and Hanle Effects", in P. Murdin (Ed.), Encyclopedia of Astronomy and Astrophysics, 2236 2001eaa..bookE2236S ADS
- Stenflo, J. O., "New possibilities for the diagnostics of solar magnetic fields", 2001A&AT...20..515S ADS
- Cacciani, A., Rapex, P., Dolci, M., et al., "Stokes profile measurements in each sodium D-line using single and dual band magneto-optical filters on board Solar Orbiter", 2001ESASP.493..177C ADS
- Stenflo, J. O., Gandorfer, A., Wenzler, T., & Keller, C. U., "Influence of magnetic fields on the coherence effects in the Na I D₁ and D₂ lines", 2001A&A...367.1033S ADS
- Stenflo, J. O., "Limitations and Opportunities for the Diagnostics of Solar and Stellar Magnetic Fields", 2001ASPC..248..639S ADS
- Fluri, D. M. & Stenflo, J. O., "Depolarizing Lines in the Solar Spectrum", 2001ASPC..236..205F ADS
- Bianda, M. & Stenflo, J. O., "Hanle Effect Observations in the UV with the Mg I Multiplet at 3829 - 3838 Å", 2001ASPC..236..117B ADS
- Stenflo, J. O., "Observation of Scattering Polarization and the Diagnostics of Solar Magnetic Fields", 2001ASPC..236..97S ADS
- Stenflo, J., "Solar Photosphere: Intranetwork and Turbulent Magnetic Fields", in P. Murdin (Ed.), Encyclopedia of Astronomy and Astrophysics, 2009 2000eaa..bookE2009S ADS
- Stucki, K., Solanki, S. K., Schühle, U., et al., "Comparison of far-ultraviolet emission lines formed in coronal holes and the quiet Sun", 2000A&A...363.1145S ADS
- Stenflo, J. O., "Summary Lecture", 2000JApA...21..451S ADS
- Stenflo, J. O., "What Can We Learn About the Corona from Polarization Measurements? (Invited review)", 2000ASPC..205..41S ADS
- Stenflo, J. O., Keller, C. U., & Gandorfer, A., "Anomalous polarization effects due to coherent scattering on the Sun", 2000A&A...355..789S ADS
- Stenflo, J. O., Gandorfer, A., & Keller, C. U., "Center-to-limb variation of the enigmatic Na bt I D1 and D2 polarization profiles", 2000A&A...355..781S ADS
- Brković, A., Rüedi, I., Solanki, S. K., et al., "EUV brightness variations in the quiet Sun", 2000A&A...353.1083B ADS
- Bianda, M., Stenflo, J. O., & Solanki, S. K., "Hanle effect observations with the CA BT I 4227 Å line", 1999A&A...350.1060B ADS
- Bommier, V. & Stenflo, J. O., "Partial frequency redistribution with Hanle and Zeeman effects. Non-perturbative classical theory", 1999A&A...350..327B ADS
- Stucki, K., Solanki, S. K., Rüedi, I., et al., "Coronal Hole Properties Observed with SUMER", 1999SRv...87..315S ADS
- Stucki, K., Solanki, S. K., Rüedi, I., et al., "Coronal Holes Versus Normal Quiet Sun Observed with SUMER", 1999Ap&SS.264..53S ADS
- Fluri, D. M. & Stenflo, J. O., "Continuum polarization and blend lines in the solar spectrum", 1999ASSL..243..171F ADS
- Bianda, M., Stenflo, J. O., & Solanki, S. K., "Observations of the Hanle effect in the Ca I 4227 and Sr II 4078 Å lines", 1999ASSL..243..31B ADS
- Stenflo, J. O., "Solar magnetism and the second solar spectrum: Future directions", 1999ASSL..243...1S ADS
- , "Solar polarization", 1999ASSL..243...N ADS
- Brkovic, A., Rüedi, I., Solanki, S. K., et al., "Brightness Variations in the Solar Atmosphere as Seen by SOHO", 1999ASSL..239..231B ADS
- Fluri, D. M. & Stenflo, J. O., "Continuum polarization in the solar spectrum", 1999A&A...341..902F ADS
- Stenflo, J. O., "Hanle-Zeeman scattering matrix", 1998A&A...338..301S ADS
- Bianda, M., Stenflo, J. O., & Solanki, S. K., "Hanle diagnostics of solar magnetic fields: the SR II 4078 Angstrom line", 1998A&A...337..565B ADS
- Rüedi, I., Solanki, S. K., Stenflo, J. O., Tarbell, T., & Scherrer, P. H., "Oscillations of sunspot magnetic fields", 1998A&A...335L..97R ADS
- Bianda, M., Solanki, S. K., & Stenflo, J. O., "Hanle depolarisation in the solar chromosphere", 1998A&A...331..760B ADS
- Rüedi, I., Solanki, S. K., Stenflo, J. O., & Scherrer, P. H., "Sunspot Oscillations Observed with MDI", 1998ESASP.417..281R ADS
- Stenflo, J. O., "Kitt Peak, MacMath, the Sun and JOSO", 1998ASSL..222...82S ADS

- Bernasconi, P. N., Keller, C. U., Solanki, S. K., & Stenflo, J. O., "Complex magnetic fields in an active region", 1998A&A...329..704B ADS
- Stenflo, J. O., Keller, C. U., & Gandorfer, A., "Differential Hanle effect and the spatial variation of turbulent magnetic fields on the Sun", 1998A&A...329..319S ADS
- Stenflo, J. O., "Quantum interferences, hyperfine structure, and Raman scattering on the Sun.", 1997A&A...324..344S ADS
- Stenflo, J. O., Bianda, M., Keller, C. U., & Solanki, S. K., "Center-to-limb variation of the second solar spectrum.", 1997A&A...322..985S ADS
- Stenflo, J. O. & Keller, C. U., "The second solar spectrum. A new window for diagnostics of the Sun.", 1997A&A...321..927S ADS
- Rüedi, I., Brkovic, A., Solanki, S. K., et al., "Properties of Brightenings Seen in CDS Movies", 1997ESASP.404..641R ADS
- Stenflo, J. O., "New window for spectroscopy", 1996Natur.382..588S ADS
- Keller, C. U. & Stenflo, J. O., "The Second Solar Spectrum", 1996AAS...188.5704K ADS
- Stenflo, J. O., "Scattering Physics", 1996SoPh..164...1S ADS
- Stenflo, J. O. & Nagendra, K. N., "Solar polarization. Proceedings. International Workshop on Solar Polarization, St. Petersburg (Russia), 8 - 12 May 1995.", 1996SoPh..164...S ADS
- , "Solar polarization", 1996sopo.conf....S ADS
- Bernasconi, P. N., Keller, C. U., Povel, H. P., & Stenflo, J. O., "Direct measurements of flux tube inclinations in solar plages.", 1995A&A...302..533B ADS
- Keller, C. U., Bernasconi, P. N., Egger, U., et al.: 1995a, *Visible and Near Infrared Polarimetry with lest*, LEST FOUNDATION TECHNICAL REPORT NO. 59, 1995lest.rept....1K ADS
- Keller, C. U., Bernasconi, P. N., Egger, U., et al., "Visible and near-infrared polarimetry with LEST.", 1995LFTR...59....K ADS
- Stenflo, J.: 1994a, *Solar Magnetic Fields: Polarized Radiation Diagnostics*, Vol. 189 1994ASSL..189....S ADS
- Stenflo, J. O., "Solar magnetic flux at small scales (Invited Review)", 1994smf.conf..301S ADS
- Stenflo, J. O., "Report of IAU Commission 12: Solar radiation and structure (Radiation et structure solaires)", 1994IAUTA..22...85S ADS
- Bernasconi, P. N., Keller, C. U., & Stenflo, J. O., "Direct Measurements of Fluxtube Inclinations in Plages", 1994ASPC...68..131B ADS
- Stenflo, J. O., "Cycle patterns of the axisymmetric magnetic field", 1994ASIC..433..365S ADS
- Stenflo, J. O., "Strong and Weak Magnetic Fields: Nature of the Small-Scale Flux Elements (Invited)", 1993ASPC...46..205S ADS
- Rüedi, I., Solanki, S. K., Livingston, W., & Stenflo, J. O., "Infrared lines as probes of solar magnetic features. III - Strong and weak magnetic fields in plages", 1992A&A...263..323R ADS
- Stenflo, J. O. & Solanki, S. K., "Polarimetry with an imaging FTS.", 1992ESASP.344..197S ADS
- Keller, C. U., Stenflo, J. O., & von der Lühe, O., "High Spatial Resolution Magnetograms of Solar Active Regions", 1992A&A...254..355K ADS
- Keller, C. U., Aebbersold, F., Egger, U., et al.: 1992b, *Zurich Imaging Stokes Polarimeter Zimpol-I - Design Review*, LEST FOUNDATION TECHNICAL REPORT NO. 53, 1992lest.rept....1K ADS
- Stenflo, J. O., Keller, C. U., & Povel, H. P., "Demodulation of all four Stokes parameters with a single CCD - ZIMPOL II. Conceptual design.", 1992LFTR...54....S ADS
- Keller, C. U., Aebbersold, F., Egger, U., et al., "Zürich Imaging Stokes Polarimeter - ZIMPOL I. Design review.", 1992LFTR...53....K ADS
- Stenflo, J. O., "Comments on the Concept of an "Extended Solar Cycle"", 1992ASPC...27..421S ADS
- Stenflo, J. O., "On the Validity of the Babcock-Leighton Approach to Modeling the Solar Cycle", 1992ASPC...27..83S ADS
- Solanki, S. K., Rüedi, I., Livingston, W. C., & Stenflo, J. O., "Strong; Weak Solar Magnetic Fields", 1992ASPC...26..262S ADS
- Stenflo, J. O., "Weak solar magnetic fields", 1992AIPC...267..40S ADS
- Lundstedt, H., Johannesson, A., Scharmer, G., et al., "Magnetograph Observations with the Swedish Solar Telescope on La-Palma", 1991SoPh..132..233L ADS
- Stenflo, J. O., "Wir und das Weltall - Teil 2.", 1991Orion..49...4S ADS
- Stenflo, J. O., "Unified classical theory of line formation in a magnetic field.", 1991sopo.work..416S ADS
- Keller, C. U., Solanki, S. K., Stenflo, J. O., & Zayer, I., "Inversion of Stokes V profiles: The structure of solar magnetic fluxtubes and its dependence on the filling factor.", 1991sopo.work..387K ADS
- Povel, H. P., Keller, C. U., & Stenflo, J. O., "Two-dimensional polarimeter with CCD image sensors and piezo-elastic modulators.", 1991sopo.work..100P ADS
- , "Relation between small-scale emergence and global evolution of the Sun's magnetic field.", 1991joso.proc....S ADS
- Stenflo, J. O., "Applications of the Hanle Effect in Solar Physics", 1991hels.conf..237S ADS
- Stenflo, J. O., "Diagnostics of the Solar Dynamo Using the Observed Pattern of Surface Magnetic Fields", in I. Tuominen, D. Moss, and G. Rüdiger (Eds.), IAU Colloq. 130: The Sun and Cool Stars. Activity, Magnetism, Dynamos, Vol. 380, 193 1991LNP...380..193S ADS
- Stenflo, J. O., "Calibration of the instrumental polarization in LEST.", 1991LFTR...45....S ADS
- Stenflo, J. O., "Optimization of the LEST polarization modulation system.", 1991LFTR...44....S ADS
- Stenflo, J. O., "Wir und das Weltall - Teil 1.", 1990Orion..48..212S ADS
- Zayer, I., Stenflo, J. O., Keller, C. U., & Solanki, S. K., "Dependence of the properties of solar magnetic flux tubes on filling factor. II - Results of an inversion approach", 1990A&A...239..356Z ADS
- Keller, C. U., Stenflo, J. O., Solanki, S. K., Tarbell, T. D., & Title, A. M., "Solar magnetic field strength determinations from high spatial resolution filtergrams", 1990A&A...236..250K ADS
- Keller, C. U., Steiner, O., Stenflo, J. O., & Solanki, S. K., "Structure of solar magnetic fluxtubes from the inversion of Stokes spectra at disk center", 1990A&A...233..583K ADS
- Stenflo, J. O., "Time invariance of the sun's rotation rate", 1990A&A...233..220S ADS
- , "Solar photosphere: Structure, convection and magnetic fields", 1990spsc.conf....S ADS
- Stenflo, J. O., "The Sun's Rotation Rate as Inferred from Magnetic Field Data", 1990IAUS..138..309S ADS
- Steiner, O. & Stenflo, J. O., "Model Calculations of the Photospheric Layers of Solar Magnetic Fluxtubes", 1990IAUS..138..181S ADS
- , "Solar photosphere: structure, convection, and magnetic fields: proceedings of the 138th Symposium of the International Astronomical Union, held in Kiev, U.S.S.R., May 15-20, 1989.", 1990IAUS..138....S ADS
- Solanki, S., Zayer, I., & Stenflo, J. O., "The internal magnetic field structure of solar magnetic elements", 1989hsrs.conf..409S ADS
- Stenflo, J. O., "Objectives of high-resolution Stokes polarimetry", 1989hsrs.conf..369S ADS
- Stenflo, J. O., "LEST update", 1989hsrs.conf...27S ADS
- Stenflo, J. O., "Small-scale magnetic structures on the Sun", 1989A&ARv...1...3S ADS
- Zayer, I., Solanki, S. K., & Stenflo, J. O., "The internal magnetic distribution and the diameters of solar magnetic elements.", 1989A&A...211..463Z ADS
- Stenflo, J. O., "Differential rotation of the sun's magnetic field pattern", 1989A&A...210..403S ADS
- Povel, H., Aebbersold, H., & Stenflo, J. O.: 1989, *CCD image sensor as a demodulator in a 2-D polarimeter with a piezo-elastic modulator*. 1989cisa.book....P ADS
- Muerset, U., Stenflo, J. O., & Solanki, S. K., "Interpretation of broad band circular polarization measurements using Stokes V spectra", 1988A&A...204..279M ADS
- Stenflo, J. O., "Global Wave Patterns in the Sun's Magnetic Field", 1988Ap&SS.144..321S ADS
- Stenflo, J. O., "Observational constraints on a 'hidden', turbulent magnetic field of the Sun", 1988SoPh..114...1S ADS
- Stenflo, J. O. & Guedel, M., "Evolution of solar magnetic fields - Modal structure.", 1988A&A...191..137S ADS
- Stenflo, J. O. & Engvold, O., "LEST update.", 1988LFTR...34....S ADS
- Stenflo, J. O., "Objectives of high-resolution Stokes polarimetry.", 1988LFTR...33....S ADS
- Mathys, G. & Stenflo, J. O., "Spectropolarimetry of Magnetic Stars : HD 125248", 1988IAUS..132..317M ADS
- Pantellini, F. G. E., Solanki, S. K., & Stenflo, J. O., "Velocity and temperature in solar magnetic fluxtubes from a statistical centre-to-limb analysis", 1988A&A...189..263P ADS
- Solanki, S. K., Keller, C., & Stenflo, J. O., "Properties of solar magnetic fluxtubes from only two spectral lines", 1987A&A...188..183S ADS
- Henze, W. & Stenflo, J. O., "Polarimetry in the Mg II h and k lines.", 1987SoPh..111..243H ADS
- Stenflo, J. O. & Weisenhorn, A. L., "Evolution of the Sun's Magnetic Polarities", 1987SoPh..108..205S ADS
- Mathys, G. & Stenflo, J. O., "Anomalous Zeeman Effect - Moments and Expansion Coefficients", 1987A&AS...70..142M ADS
- Mathys, G. & Stenflo, J. O., "Anomalous Zeeman effect - Moments and expansion coefficients", 1987A&AS...67..557M ADS
- Stenflo, J. O., Solanki, S. K., & Harvey, J. W., "Diagnostics of solar magnetic fluxtubes with the infrared line Fe I lambda 15648.54 A", 1987A&A...173..167S ADS
- Stenflo, J. O. & Mattig, W., "Joint Discussion on Topics of Sessions 3 and 4", 1987rfsm.conf..116S ADS
- Stenflo, J. O., "Observational constraints on a 'hidden', turbulent magnetic field of the sun", 1987SoPh..114...1S ADS
- Stenflo, J. O., "The Magnetic Field of the Sun", 1987MitAG..65...25S ADS

- Mathys, G. & Stenflo, J. O., "Anomalous Zeeman effect and its influence on the line absorption and dispersion coefficients", 1987A&A...171..368M ADS
- Stenflo, J. O., Solanki, S. K., & Harvey, J. W., "Center-to-limb variation of Stokes profiles and the diagnostics of solar magnetic fluxtubes", 1987A&A...171..305S ADS
- Steiner, O., Pneuman, G. W., & Stenflo, J. O., "Numerical models for solar magnetic fluxtubes", 1986A&A...170..126S ADS
- Solanki, S. K. & Stenflo, J. O., "Some effects of finite spectral resolution on the Stokes V profile", 1986A&A...170..120S ADS
- Mathys, G. & Stenflo, J. O., "Spectropolarimetry of magnetic stars. I. Diagnostic contents of Stokes I and V line profiles.", 1986A&A...168..184M ADS
- Harvey, J. W., Stenflo, J. O., Hudson, H. S., Noyes, R. W., & Kotrc, P., "Book-Review - Solar-Space Observations and Stellar Prospects", 1986BAICz...37..252H ADS
- Solanki, S. K., Pantellini, F. G. E., & Stenflo, J. O., "Lines in the wavelength range $\lambda\lambda$ 4300 6700 Å with large stokes V amplitudes outside sunspots", 1986SoPh...107..57S ADS
- Stenflo, J. O., "Stokes Polarimetry", 1986ssmf.conf...59S ADS
- Stenflo, J. O. & Vogel, M., "Global resonances in the evolution of solar magnetic fields", 1986Natur.319..285S ADS
- Stenflo, J. O., "The Magnetic Field of the Sun", 1986MitAG...65...25S ADS
- Pneuman, G. W., Solanki, S. K., & Stenflo, J. O., "Structure and merging of solar magnetic fluxtubes", 1986A&A...154..231P ADS
- Stenflo, J. O. & Povel, H., "Astronomical polarimeter with 2-D detector arrays", 1985ApOpt...24.3893S ADS
- Stenflo, J. O., "Measurements of Magnetic Fields and the Analysis of Stokes Profiles", 1985SoPh...100..189S ADS
- Solanki, S. K. & Stenflo, J. O., "Models of solar magnetic fluxtubes - Constraints imposed by Fe I and II lines", 1985A&A...148..123S ADS
- Southwood, D. & Stenflo, J., "Small-Scale Plasma Structures", 1985ESASP.235..237S ADS
- Stenflo, J. O., "Diagnostics of vector magnetic fields", 1985svmf.nasa..263S ADS
- Stenflo, J. O., "Application of Piezoelectric Modulators in Stokes Polarimetry", 1985spit.conf.1275S ADS
- Stenflo, J. O., "Zeeman and Doppler Measurements with a Michelson Interferometer", 1985spit.conf.1272S ADS
- Stenflo, J. O., "Solar Magnetic and Velocity-Field Measurements: New Instrument Concepts", 1985spit.conf.1139S ADS
- Stenflo, J. O., "Structure of the Spatially Unresolved Magnetic Fields on the Sun", 1985spit.conf..189S ADS
- Stenflo, J. O., "Lest - a Large International Solar Telescope for the 1990'S / Large European Solar Telescope", 1985VA....28..571S ADS
- Stenflo, J. O. & Harvey, J. W., "Dependence of the Properties of Magnetic Flux Tubes on Area Factor or amount of Flux", 1985SoPh...95...99S ADS
- Stenflo, J. O., "Diagnostics of vector magnetic fields.", 1985NASCP2374..263S ADS
- Stenflo, J. O. & Povel, H., "LEST polarimetry with large two-dimensional detector arrays.", 1985LFTR...12.....S ADS
- Solanki, S. K. & Stenflo, J. O., "Properties of solar magnetic fluxtubes as revealed by Fe I lines", 1984A&A...140..185S ADS
- Stenflo, J. O., "Erratum: Solar magnetic and velocity-field measurements: new instrument concepts [Appl. Opt. 23,1267 (1984)]", 1984ApOpt...23.3267S ADS
- Stenflo, J. O. & Kuperus, M., "Book-Review - Solar and Stellar Magnetic Fields - Origins and Coronal Effects", 1984SSRv...38..387S ADS
- Stenflo, J. O. & Priest, E. R., "Book-Review - Solar and Stellar Magnetic Fields - Origins and Effects - I.A.U. Symposium NO.102", 1984obs...104..102S ADS
- Stenflo, J. O., "Solar magnetic and velocity-field measurements: New instrument concepts", 1984ApOpt...23.1267S ADS
- Stenflo, J. O., Solanki, S., Harvey, J. W., & Brault, J. W., "Diagnostics of solar magnetic fluxtubes using a Fourier transform spectrometer", 1984A&A...131..333S ADS
- Stenflo, J. O. & Mewe, R., "Book-Review - Solar and Stellar Magnetic Fields - Origins and Coronal Effects", 1984SoPh...91..193S ADS
- Stenflo, J. O., "Book-Review - Solar and Stellar Magnetic Fields - Origins and Coronal Effects", 1984S&T...67S.527S ADS
- Stenflo, J. O., "Book-Review - Solar and Stellar Magnetic Fields - Origins and Coronal Effects - I.A.U. SYMP.102", 1984Natur.307R.669S ADS
- Stenflo, J. O., "Book-Review - Solar and Stellar Magnetic Fields", 1984MNSSA...43...22S ADS
- Stenflo, J. O., "Polarimeter package for LEST.", 1984LFTR....4.....S ADS
- Christensen-Dalsgaard, J., Delache, P., Hoyng, P., et al., "Report of ESA's topical team on solar and heliospheric physics.", 1984ESASP1070...26C ADS
- Stenflo, J. O., "Fine-scale structure of solar magnetic fields", 1984AdSpR...4h...5S ADS
- Stenflo, J. O., "Book-Review - Solar and Stellar Magnetic Fields - Origins and Coronal Effects", 1983JBAA...94R..41S ADS
- Stenflo, J. O., Twerenbold, D., Harvey, J. W., & Brault, J. W., "Coherent scattering in the solar spectrum - Survey of linear polarization in the range 4200-9950 Å", 1983A&S...54..505S ADS
- Stenflo, J. O., Twerenbold, D., & Harvey, J. W., "Coherent scattering in the solar spectrum - Survey of linear polarization in the range 3165-4230 Å", 1983A&S...52..161S ADS
- Stenflo, J. O.: 1983a, Solar and stellar magnetic fields: origins and coronal effects. International Astronomical Union. Symposium No. 102, held in Zurich, Switzerland, August 2 - 6, 1982. 1983ssmf.book.....S ADS
- Stenflo, J. O., "Establishment of the LEST (Large European Solar Telescope) Foundation.", 1983SoPh...87..419S ADS
- , "Solar and stellar magnetic fields: Origins and coronal effects", 1983IAUS...102.....S ADS
- Stenflo, J. O., "Solar Magnetic and Velocity-Field Measurements New Instrument Concepts", 1983ApOpt...23.1267S ADS
- Stenflo, J. O., "The Hanle Effect and the Diagnostics of Turbulent Magnetic Fields in the Solar Atmosphere", 1982SoPh...80..209S ADS
- Stenflo, J. O., "Anfang und Ende: Evolution des Weltalls.", 1982Orion...40..118S ADS
- Stenflo, J. O., "Institut für Astronomie. Jahresbericht für 1981.", 1982MitAG...56..327S ADS
- Stenflo, J., "Observations of Coherence Effects in the Solar Spectrum", 1981siwn.conf..266S ADS
- Stenflo, J. O., "Institut für Astronomie. Jahresbericht für 1980.", 1981MitAG...53..301S ADS
- Auer, L. H., Rees, D. E., & Stenflo, J. O., "Resonance-Line Polarization - Part Six - Line Wing Transfer Calculations Including Excited State Interference", 1980A&A...88..302A ADS
- Stenflo, J. O., Dravins, D., Wihlborg, N., et al., "Search for Spectral Line Polarization in the Solar Vacuum Ultraviolet", 1980SoPh...66..135S ADS
- Stenflo, J. O., "Resonance-line polarization. V - Quantum-mechanical interference between states of different total angular momentum", 1980A&A...84..68S ADS
- Stenflo, J. O., Baur, T. G., & Elmore, D. F., "Resonance-line polarization: IV. Observations of non-magnetic line polarization and its center-to-limb variations.", 1980A&A...84..60S ADS
- Harvey, J., Brault, J., Stenflo, J., & Zwaan, C., "A Polarimeter for a Fourier Transform Spectrometer and Initial Solar Observations", 1980BAAS...12R.476H ADS
- Stenflo, J. O., "Solar variability.", 1980vasg.meet..GL1S ADS
- Nakagawa, Y. & Stenflo, J. O., "Concentration of axisymmetric magnetic flux by rotational shearing motions.", 1979A&A...72...67N ADS
- Stenflo, J. O., "Small-scale solar magnetic fields.", 1979psa.conf...75S ADS
- Acton, L. W., Heasley, J. N., Sahal-Bréchet, S., & Stenflo, J., "Discussion", 1979phsp.coll...91A ADS
- Landi Degl'Innocenti, M., Kundu, M. R., Landman, D. A., Smartt, R. N., & Stenflo, J., "Discussion", 1979phsp.coll...85L ADS
- Anzer, U., Chiuferi-Drago, F., Kundu, M. R., et al., "Discussion", 1979phsp.coll...77A ADS
- Frazier, E. N. & Stenflo, J. O., "Magnetic, velocity and brightness structure of solar faculae.", 1978A&A...70..789F ADS
- Stenflo, J. O., "REVIEW: The measurement of solar magnetic fields", 1978RPPH...41..865S ADS
- Stenholm, L. G. & Stenflo, J. O., "Multi-dimensional Non-LTE Transfer of Polarized Radiation in Magnetic Fluxtubes", 1978A&A...67...33S ADS
- Stenflo, J. O., "Resonance-line polarization. III. The Hanle effect in a compact non-LTE radiative transfer formulation.", 1978A&A...66..241S ADS
- Stenflo, J. O., "Solar-cycle variations in the differential rotation of solar magnetic fields.", 1977A&A...61..797S ADS
- Stenflo, J. O. & Lindegren, L., "Statistical analysis of solar Fe I lines: magnetic line broadening.", 1977A&A...59..367S ADS
- Stenholm, L. G. & Stenflo, J. O., "Multi-dimensional non-LTE radiative transfer in magnetic flux tubes on the sun.", 1977A&A...58..273S ADS
- Stenflo, J. O., "The Influence of Magnetic Fields on Solar Hydrodynamics, Experimental Results", 1977ebhs.coll..143S ADS
- Stenflo, J. O., Dravins, D., Öhman, Y., et al., "Observations of resonance-line polarization in the solar EUV.", 1977ROLun...12..147S ADS
- Stenflo, J. O., "The Hanle effect in a compact non-LTE radiative-transfer formulation.", 1977ROLun...12...65S ADS
- Stenholm, L. G. & Stenflo, J. O., "Multi-dimensional transfer of polarized radiation in magnetic fluxtubes.", 1977ROLun...12...53S ADS
- Stenflo, J. O., "Measurements and interpretation of polarization arising in the solar chromosphere and corona : proceedings of a workshop held at Lund Observatory, May 9-13, 1977", 1977ROLun...12.....S ADS

- Stenflo, J. O., Biverot, H., & Stenmark, L., "Ultraviolet polarimeter to record resonance-line polarization in the solar spectrum around 130-150 nm", 1976ApOpt...15.1188S ADS
- Stenflo, J. O., "Small-Scale Solar Magnetic Fields", 1976IAUS...71...69S ADS
- Stenflo, J. O. & Stenholm, L., "Resonance-line polarization. II. Calculations of linear polarization in solar UV emission lines.", 1976A&A...46...69S ADS
- Stenflo, J. O., "Resonance-line polarization. I. A non-LTE theory for the transport of polarized radiation in spectral lines in the case of zero magnetic field.", 1976A&A...46...61S ADS
- Stenflo, J. O., "A Model of the Supergranulation Network and of Active Region Plages", 1975SoPh...42...79S ADS
- Elvius, T., Darsenius, G., Björklund, P. Å., et al.: 1975, Svenska Astronomiska Sällskapet; Astronomiska Sällskapet Tycho Brahe; Göteborgs Astronomiska Klubb. Styrelsens berättelse för år 1974. 1975sasa.book...E ADS
- Stenflo, J. O., "Summary of report on current solar research at the Lund Observatory", 1975cesra...5...120S ADS
- Stenflo, J. O., "Summary of report on current solar research at the Lund Observatory.", 1975MmArc.105...120S ADS
- Stenflo, J. O., "Observations of Resonance Polarization in Ca I $\lambda 4227$ ", 1974SoPh...37...31S ADS
- Stenflo, J. O., "Differential Rotation and Sector Structure of Solar Magnetic Fields", 1974SoPh...36...495S ADS
- Stenflo, J. O., "Magnetic-Field Structure of the Photospheric Network", 1973SoPh...32...41S ADS
- Stenflo, J. O., "Solar chromatograph.", 1973ApOpt...12...805S ADS
- Frazier, E. N. & Stenflo, J. O., "On the Small-Scale Structure of Solar Magnetic Fields", 1972SoPh...27...330F ADS
- Stenflo, J. O., "Evolution of Solar Magnetic Fields over an 11-Year Period", 1972SoPh...23...307S ADS
- Howard, R. & Stenflo, J. O., "On the Filamentary Nature of Solar Magnetic Fields", 1972SoPh...22...402H ADS
- Durney, B. R. & Stenflo, J. O., "On Stellar Activity Cycles", 1972Ap&SS...15...307D ADS
- Stenflo, J. O. & Frazier, E. N., "On the Filamentary Nature of Active-Region Magnetic Fields", 1972lfpn.conf...295S ADS
- Howard, R. & Stenflo, J. O., "On the Filamentary Nature of Solar Magnetic Fields", 1972lfpn.conf...251H ADS
- Stenflo, J. O., "The Electromagnetic Structure of Interplanetary Space", in C. P. Sonett, P. J. Coleman, and J. M. Wilcox (Eds.), NASA Special Publication, Vol. 308, 115 1972NASSP.308...115S ADS
- Stenflo, J. O., "Solar chromatograph.", 1972ApOpt...12...805S ADS
- Stenflo, J. O., "The Coronal and Interplanetary Magnetic Fields at the Time of the Solar Eclipse of 7 March, 1970 (Papers presented at the Proceedings of the International Symposium on the 1970 Solar Eclipse, held in Seattle, U. S. A., 18-21 June, 1971).", 1971SoPh...21...263S ADS
- Ehrensvar, G. C. H. & Stenflo, J. O.: 1971, VI och de. 1971vod...book...E ADS
- Stenflo, J. O., "Observation of the Polar Magnetic Fields", 1971IAUS...43...714S ADS
- Stenflo, J. O., "The Interpretation of Magnetograph Results: the Formation of Absorption Lines in a Magnetic Field", 1971IAUS...43...101S ADS
- Stenflo, J. O., "Structure of the interplanetary magnetic field.", 1971CosEL...2...309S ADS
- Stenflo, J. O. & Beckers, J. M., "Erratum: "The profiles of Fraunhofer lines in the presence of Zeeman splitting" [Sol. Phys., Vol. 9, p. 372 - 386 (1969)].", 1970SoPh...15...507S ADS
- Kotov, V. A. & Stenflo, J. O., "A Comparison of Simultaneous Measurements of the Polar Magnetic Fields Made at the Crimea and Mount Wilson", 1970SoPh...15...265K ADS
- Stenflo, J. O., "Hale's Attempts to Determine the Sun's General Magnetic Field", 1970SoPh...14...263S ADS
- Stenflo, J. O., "The Polar Magnetic Fields of July and August 1968", 1970SoPh...13...42S ADS
- Pålsgård, G. & Stenflo, J. O., "A Fast and Accurate Guiding System", 1970SoPh...11...155P ADS
- Stenflo, J. O., "Interpretation of magnetograph results.", 1970ROLun...2...S ADS
- Stenflo, J. O., "The Zeeman Effect for Weak Magnetic Fields", 1969SoPh...8...260S ADS
- Stenflo, J. O., "A Mechanism for the Build-Up of Flare Energy", 1969SoPh...8...115S ADS
- Stenflo, J. O., "A Mechanism for the Buildup of Flare Energy", 1969BAAS...1T.293S ADS
- Bhatnagar, A. & Stenflo, J. O., "A New Technique to Obtain Solar-Velocity Maps Directly in One Spectroheliogram", 1969BAAS...1S.273B ADS
- Bhatnagar, A. & Stenflo, J. O., "A Method to obtain a Solar Velocity Map Directly in One Spectroheliogram", 1969SoPh...7...329B ADS
- Beckers, J. M. & Stenflo, J. O., "Solar Magnetic-Field Measurements using Cabinet Compensators", 1969SoPh...6...480B ADS
- Stenflo, J. O., "The Magneto-heliograph", 1969SoPh...6...476S ADS
- Stenflo, J. O., "A New Type of Magnetograph", 1968SoPh...3...482S ADS
- Stenflo, J. O., "On the interpretation of measurements with a solar magnetograph", 1968MeLuS.153...3S ADS
- Stenflo, J. O., "Measurements of the sun's magnetic field", 1968MeLuS.152...5S ADS
- Stenflo, J. O.: 1968d, "The sun's magnetic field", Ph.D. thesis, University of Lund, Sweden 1968PhDT...222S ADS
- Stenflo, J. O., "The sun's magnetic field", 1968MeLuF.233...3S ADS
- Stenflo, J. O., "The Balance of Magnetic Fluxes in Active Regions", 1968IAUS...35...47S ADS
- Stenflo, J. O., "On the Balance of Magnetic Fluxes in Sunspot Groups", 1967MeLuS.150...1S ADS
- Stenflo, J. O., "On the influence of the slit size on measurements with a solar magnetograph", 19660bs...86...73S ADS
- Stenflo, J. O., "On the influence of the slit size on measurements with a solar magnetograph", 1966ArA...4...173S ADS
- Stenflo, J. O., "Solar photometry in Ha", 1966ArA...3...481S ADS