

Bibliography from ADS file: nandy.bib
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- Dash, S., Nandy, D., & Usoskin, I., "Long-term forcing of Sun's coronal field, open flux and cosmic ray modulation potential during grand minima, maxima and regular activity phases by the solar dynamo mechanism", 2022arXiv220812103D [ADS](#)
- Sinha, S., Gupta, O., Singh, V., et al., "A Comparative Analysis of Machine-learning Models for Solar Flare Forecasting: Identifying High-performing Active Region Flare Indicators", 2022ApJ...935...45S [ADS](#)
- Chandra, A. D., Karmakar, M., Nandy, D., & Banerjee, A., "Adaptive hyperspectral imaging using structured illumination in a spatial light modulator-based interferometer", 2022OExpr...3019930C [ADS](#)
- Pal, S., Nandy, D., & Kilpua, E. K. J., "A magnetic cloud prediction model for forecasting space weather relevant properties of Earth-directed coronal mass ejections", 2022arXiv220305231P [ADS](#)
- Nandy, D., Martens, P. C. H., Obridko, V., Dash, S., & Georgieva, K., "Solar evolution and extrema: current state of understanding of long-term solar variability and its planetary impacts", 2021PEPS...8...40N [ADS](#)
- Basak, A. & Nandy, D., "The Roles of Intrinsic and Imposed Magnetospheres in Shielding Planetary Atmospheres", 2021AGUFMSM55C1792B [ADS](#)
- ROY, S. & Nandy, D., "Estimating magnetospheric currents and geoeffectiveness of interplanetary CMEs with magnetohydrodynamic simulations", 2021AGUFMSM41A...08R [ADS](#)
- Pal, S., Nandy, D., Bhowmik, P., et al., "Impact of Anomalous Active Regions on the Large Scale Magnetic Fields of the Solar Cycle", 2021AGUFMSH55D1878P [ADS](#)
- Biji, L., Jain, K., Komm, R., & Nandy, D., "Subsurface Plasma Flows and the Flare Productivity of Solar Active Regions", 2021AGUFMSH54A...07B [ADS](#)
- Dash, S., Nandy, D., & Vaidya, B., "Understanding the Global Coronal Magnetic Fields using Data-constrained Magnetohydrodynamic Model", 2021AGUFMSH15G2085D [ADS](#)
- Roddanavar, A. & Nandy, D., "Simulating Magnetic Switchback Structures in the near-Sun Solar Wind Observed by Parker Probe", 2021AGUFMSH15C2049R [ADS](#)
- Mazumder, R., Chatterjee, S., Nandy, D., & Banerjee, D., "Solar Cycle Evolution of Filaments over a Century: Investigations with the Meudon and McIntosh Hand-drawn Archives", 2021ApJ...919...125M [ADS](#)
- Tripathi, B., Nandy, D., & Banerjee, S., "Stellar mid-life crisis: subcritical magnetic dynamos of solar-like stars and the breakdown of gyrochronology", 2021MNRAS...506L...50T [ADS](#)
- Basak, A. & Nandy, D., "Modelling the imposed magnetospheres of Mars-like exoplanets: star-planet interactions and atmospheric losses", 2021MNRAS...502...3569B [ADS](#)
- Roy, S. & Nandy, D., "Modelling the Impact of Magnetic Storms on Planetary Environments", 2021EGUGA...23...8863R [ADS](#)
- Basak, A. & Nandy, D., "Modelling the solar wind forced Martian environment", 2021cscs.confE...2B [ADS](#)
- Nandy, D., "Progress in Solar Cycle Predictions: Sunspot Cycles 24-25 in Perspective", 2021SoPh...296...54N [ADS](#)
- Basak, A. & Nandy, D., "Magnetohydrodynamic Simulations of the Solar Wind Interaction with Mars", 2020AGUFMSM0530004B [ADS](#)
- ROY, S. & Nandy, D., "Magnetohydrodynamical Understanding of the Interactions Between Coronal Mass Ejections and Earth's Magnetosphere.", 2020AGUFMSM0510004R [ADS](#)
- Nandy, D. & Bhowmik, P., "A Physics-based Prediction of Solar Cycle 25 and Reconstruction of Century-Scale Solar Activity", 2020AGUFMSH053...06N [ADS](#)
- Pal, S., Dash, S., & Nandy, D., "Flux Erosion of Magnetic Clouds by Reconnection With the Sun's Open Flux", 2020AGUFMSH041...07P [ADS](#)
- Bemporad, A., Banerjee, D., Berlicki, A., et al., "Metis - Solar Orbiter Topical Team on "Modelling of CME propagation/evolution in corona and solar wind in connection with Space Weather"", 2020AGUFMSH0360027B [ADS](#)
- Dash, S., Nandy, D., & Pal, S., "Dynamics of the Sun's Polar Field: Possible Insights from Out of the Ecliptic Observations", 2020AGUFMSH014...06D [ADS](#)
- Kuznetsova, M. M., Belehaki, A., Bisi, M. M., et al., "COSPAR International Space Weather Action Teams: Addressing Challenges Across the Field of Space Weather.", 2020AGUFMSH0030022K [ADS](#)
- Biji, L. & Nandy, D., "Solar Cycle Variation of Meridional Flow", 2020AGUFMSH0020002B [ADS](#)
- Hazra, S., Brun, A. S., & Nandy, D., "Does the mean-field α effect have any impact on the memory of the solar cycle?", 2020A&A...642A...51H [ADS](#)
- Bhowmik, P. & Nandy, D., "Prediction of Sunspot Cycle 25: Based on a Century-scale Data-driven Magnetic Field Simulations", 2020SPD...5120902B [ADS](#)
- España-Fontcuberta, A., Chatterjee, S., Mitra, D., & Nandy, D., "A model-free, data-based forecast for sunspot cycle 25", 2020arXiv200512166E [ADS](#)
- Pal, S., Dash, S., & Nandy, D., "Flux Erosion of Magnetic Clouds by Reconnection With the Sun's Open Flux", 2020GeoRL...4786372P [ADS](#)
- Nandy, D., Bhatnagar, A., & Pal, S., "Sunspot Cycle 25 is Brewing: Early Signs Herald its Onset", 2020RNAAS...4...30N [ADS](#)
- Dash, S., Bhowmik, P., Athira, B. S., Ghosh, N., & Nandy, D., "Prediction of the Sun's Coronal Magnetic Field and Forward-modeled Polarization Characteristics for the 2019 July 2 Total Solar Eclipse", 2020ApJ...890...37D [ADS](#)
- B S, A., Pal, M., Mukherjee, S., et al., "Single-shot measurement of the space-varying polarization state of light through interferometric quantification of the geometric phase", 2020PhRvA.101a3836B [ADS](#)
- Tripathi, B., Nandy, D., & Banerjee, S., "Subcritical Magnetic Dynamos of Middle-aged Sun-like Stars Reconcile Solar-Stellar Activity Observation", 2020APS...DPPZ07009T [ADS](#)
- Kuznetsova, M., Bisi, M. M., Kusano, K., et al., "International Scientific Coordination on Space Weather: A COSPAR Panel on Space Weather Perspective", 2019AGUFMSM31C3543K [ADS](#)
- Bisi, M. M., Kuznetsova, M. M., Temmer, M., et al., "International Scientific Coordination on Space Weather: A COSPAR Panel on Space Weather Perspective", 2019AGUFMSM31C3543B [ADS](#)
- Mendoza, A. M. M., Kuznetsova, M., Opgenoorth, H. J., et al., "Showcasing the just released ISWAT website (<http://www.iswat-cospar.org>) built with a content management platform to serve as an online presence for the ISWAT (International Space Weather Action Teams) - community driven effort hosted by the COSPAR Panel on Space Weather.", 2019AGUFMSM31C3181M [ADS](#)
- Hazra, S. & Nandy, D., "The origin of parity changes in the solar cycle", 2019MNRAS...489...4329H [ADS](#)
- Lekshmi, B., Nandy, D., & Antia, H. M., "Hemispheric asymmetry in meridional flow and the sunspot cycle", 2019MNRAS...489...714L [ADS](#)
- Sinha, S., Srivastava, N., & Nandy, D., "Solar Filament Eruptions as Precursors to Flare-CME Events: Establishing the Temporal Connection", 2019ApJ...880...84S [ADS](#)
- Dash, S., Bhowmik, P., & Nandy, D., "Prediction of the Sunspot Cycle 25: A Review of the Total Solar Eclipse on 2019 July 2", 2019RNAAS...3...86D [ADS](#)
- Bharati Das, S., Basak, A., Nandy, D., & Vaidya, B., "Modeling Star-Planet Interactions in Far-out Planetary and Exoplanetary Systems", 2019ApJ...877...80B [ADS](#)
- Mahajan, S. S., Nandy, D., & Martens, P. C., "Work Done by Lorentz Force Drives Solar-Stellar Magnetic Cycles", 2019shin.confE...199M [ADS](#)
- Kumar, R., Jouve, L., & Nandy, D., "A 3D kinematic Babcock Leighton solar dynamo model sustained by dynamic magnetic buoyancy and flux transport processes", 2019A&A...623A...54K [ADS](#)
- Bhowmik, P. & Nandy, D., "Prediction of the strength and timing of sunspot cycle 25 reveal decadal-scale space environmental conditions", 2018NatCo...9...5209B [ADS](#)
- Srivastava, A. K., McIntosh, S. W., Arge, N., et al., "The Extended Solar Cycle: Muddying the Waters of Solar/Stellar Dynamo Modeling Or Providing Crucial Observational Constraints?", 2018FrASS...5...38S [ADS](#)
- Mazumder, R., Bhowmik, P., & Nandy, D., "The Association of Filaments, Polarity Inversion Lines, and Coronal Hole Properties with the Sunspot Cycle: An Analysis of the McIntosh Database", 2018ApJ...868...52M [ADS](#)
- Pal, S., Nandy, D., Srivastava, N., Gopalswamy, N., & Panda, S., "Dependence of Coronal Mass Ejection Properties on Their Solar Source Active Region Characteristics and Associated Flare Reconnection Flux", 2018ApJ...865...4P [ADS](#)
- Mahajan, S. S., Nandy, D., & Martens, P. C., "The solar dynamo as an interplay of rotational shear and magnetic field", 2018shin.confE...154M [ADS](#)
- Lekshmi, B., Nandy, D., & Antia, H. M., "Asymmetry in Solar Torsional Oscillation and the Sunspot Cycle", 2018ApJ...861...121L [ADS](#)
- Tripathi, B., Nandy, D., & Banerjee, S., "Origin and Recovery from Grand Solar Minima in a Time Delay Dynamo Model with Magnetic Noise as an Additional Poloidal Source", 2018arXiv180411350T [ADS](#)
- Mahajan, S. S., Nandy, D., Antia, H. M., & Dwivedi, B. N., "Torsional Oscillations in the Sun's rotation contribute to the Waldmeier-effect in Solar Cycles", 2018arXiv180307758M [ADS](#)
- Basak, A. & Nandy, D., "Study of starspots in fully convective stars using three dimensional MHD simulations", 2018IAUS...340...303B [ADS](#)
- Das, S. B., Basak, A., & Nandy, D., "The activity evolution of Solar-like stars with age and its planetary impact", 2018IAUS...340...240D [ADS](#)
- Mazumder, R., Bhowmik, P., & Nandy, D., "Properties of Coronal Holes in Solar Cycle 21-23 using McIntosh archive", 2018IAUS...340...187M [ADS](#)
- Dash, S. & Nandy, D., "A Magnetofrictional model for the solar corona", 2018IAUS...340...87D [ADS](#)
- Lekshmi, B., Nandy, D., & Antia, H. M., "Asymmetry in Solar Torsional Oscillation", 2018IAUS...340...11L [ADS](#)
- Nandy, D., Bhowmik, P., Yeates, A. R., et al., "The Large-scale Coronal Structure of the 2017 August 21 Great American Eclipse: An Assessment of Solar Surface Flux Transport Model Enabled Predictions and Observations", 2018ApJ...853...72N [ADS](#)

- Pal, S., Gopalswamy, N., Nandy, D., et al., “A Sun-to-Earth Analysis of Magnetic Helicity of the 2013 March 17-18 Interplanetary Coronal Mass Ejection”, 2017ApJ...851..123P ADS
- Nandy, D. & Bhowmik, P., “An Early Prediction of Sunspot Cycle 25”, 2017AGUFM21A2639N ADS
- “Living Around Active Stars”, 2017IAUS...328....N ADS
- Tarafder, R. & Nandy, D., “A Data Driven, Zero-Dimensional Time Delay Model with Radiative Forcing for Simulating Global Climate”, 2017arXiv170908860T ADS
- Nandy, D., Bhowmik, P., Yeates, A. R., et al., “Solar Surface Magnetic Field Simulation Enabled Prediction of the Large-Scale Coronal Structure of the 21 August 2017 Great American Eclipse: An Assessment of Model Predictions and Observations”, 2017arXiv170805996N ADS
- Hazra, S. & Nandy, D., “Strong Hemispheric Asymmetry can Trigger Parity Changes in the Sunspot Cycle”, 2017SPD...4830604H ADS
- Tripathi, D., Ramaprakash, A. N., Khan, A., et al., “The Solar Ultraviolet Imaging Telescope on-board Aditya-L1”, 2017CSci...113..616T ADS
- Brun, A. S., García, R. A., Houdek, G., Nandy, D., & Pinsonneault, M., “The Solar-Stellar Connection”, in M. J. Thompson, A. S. Brun, J. L. Culhane, L. Gizon, M. Roth, and T. Sekii (Eds.), *Helioseismology and Dynamics of the Solar Interior*. Series: Space Sciences Series of ISSI, Vol. 48, 309–362 2017hdsi.book..309B ADS
- Hazra, S. & Nandy, D., “Grand Minima in the Light of Kinematic Flux Transport Solar Dynamo Model”, 2016AGUFM34D2590H ADS
- Hazra, S. & Nandy, D., “A Proposed Paradigm for Solar Cycle Dynamics Mediated via Turbulent Pumping of Magnetic Flux in Babcock-Leighton-type Solar Dynamos”, 2016ApJ...832...9H ADS
- Ghosh, A., Chatterjee, S., Khan, A. R., et al., “The Solar Ultraviolet Imaging Telescope onboard Aditya-L1”, 2016SPIE.9905E..03G ADS
- Mahajan, S. S., Nandy, D., Dwivedi, B. N., & Antia, H. M., “The Impact Of Torsional Oscillations On The Solar Cycle: The Waldmeier-effect As An Outcome”, 2016SPD...47.0718M ADS
- Brun, A. S., García, R. A., Houdek, G., Nandy, D., & Pinsonneault, M., “Erratum: Erratum to: The Solar-Stellar Connection”, 2015SSRv...196..357B ADS
- Brun, A. S., García, R. A., Houdek, G., Nandy, D., & Pinsonneault, M., “The Solar-Stellar Connection”, 2015SSRv...196..303B ADS
- Schrijver, K., Kauristie, K., Aylward, A., et al., “a Roadmap to Advance Understanding of the Science of Space Weather”, 2015AGUFM12A..01S ADS
- Nandy, D. K., Singh, S., & Sahoo, B. K., “Radiative properties of few F- and Cl-like alkali and alkaline-earth metal ions”, 2015MNRAS.452.2546N ADS
- Nandy, D. K. & Sahoo, B. K., “Forbidden transition properties in the ground-state configurations of singly ionized noble gas atoms for stellar and interstellar media”, 2015MNRAS.450.1012N ADS
- Schrijver, C. J., Kauristie, K., Aylward, A. D., et al., “Understanding space weather to shield society: A global road map for 2015-2025 commissioned by COSPAR and ILWS”, 2015AdSpR...55.2745S ADS
- Hazra, S., Nandy, D., & Ravindra, B., “The Relationship Between Solar Coronal X-Ray Brightness and Active Region Magnetic Fields: A Study Using High-Resolution Hinode Observations”, 2015SoPh..290..771H ADS
- Nandy, D. K. & Sahoo, B. K., “Relativistic calculations of radiative properties and fine structure constant varying sensitivity coefficients in the astrophysically relevant Zn II, Si IV and Ti IV ions”, 2015MNRAS.447.3812N ADS
- Nandy, D., “Long-term Activity Evolution of the Sun-as-a-Star”, 2014spih.confE..16N ADS
- Hazra, S., Passos, D., & Nandy, D., “A Stochastically Forced Time Delay Solar Dynamo Model: Self-consistent Recovery from a Maunder-like Grand Minimum Necessitates a Mean-field Alpha Effect”, 2014ApJ...789...5H ADS
- Nandy, D. K., Singh, Y., & Sahoo, B. K., “Implementation and application of the relativistic equation-of-motion coupled-cluster method for the excited states of closed-shell atomic systems”, 2014PhRvA..89E2509N ADS
- Nandy, D. K. & Sahoo, B. K., “Spectral properties of a few F-like ions”, 2014A&A...563A..25N ADS
- Passos, D., Nandy, D., Hazra, S., & Lopes, I., “A solar dynamo model driven by mean-field alpha and Babcock-Leighton sources: fluctuations, grand-minima-maxima, and hemispheric asymmetry in sunspot cycles”, 2014A&A...563A..18P ADS
- Muñoz-Jaramillo, A., Martens, P. C. H., & Nandy, D., “Helioseismic Perspective of the Solar Dynamo”, 2013ASPC...478..271M ADS
- Hazra, S. & Nandy, D., “EXPLORING SOLAR GRAND MINIMA THROUGH A TIME DELAY DYNAMO MODEL”, 2013SPD...4440305H ADS
- Nandy, D. & Karak, B. B., “Forecasting the solar activity cycle: new insights”, 2013IAUS...294..439N ADS
- Mursula, K., Manoharan, P., Nandy, D., Tanskanen, E., & Verronen, P., “Long-term solar activity and its implications to the heliosphere, geomagnetic activity, and the Earth’s climate. Preface to the Special Issue on Space Climate”, 2013JWSC...3A..21M ADS
- Hazra, S. & Nandy, D., “Double ring algorithm of solar active region eruptions within the framework of kinematic dynamo model”, 2013ASInC...10..115H ADS
- Amouzou, E., Nandy, D., Muñoz-Jaramillo, A., & Martens, P., “Use of a time delay dynamo model to obtain solar-like sunspot cycles”, 2013ASInC...10...83A ADS
- Karak, B. B. & Nandy, D., “Turbulent Pumping of Magnetic Flux Reduces Solar Cycle Memory and thus Impacts Predictability of the Sun’s Activity”, 2012ApJ...761L..13K ADS
- Nandy, D., Muñoz-Jaramillo, A., & Martens, P. C. H., “All Quiet on the Solar Front: Origin and Heliospheric Consequences of the Unusual Minimum of Solar Cycle 23”, 2012SunGe...7...17N ADS
- Nandy, D., “Modeling the solar cycle: what the future holds”, 2012IAUS...286...54N ADS
- Nandy, D. & Karak, B. B., “The Sun Has A Short Memory: Turbulent Pumping Of Magnetic Flux Reduces Solar Cycle Memory And Precludes Long-term Predictions”, 2012AAS...22052118N ADS
- Nandy, D., “The Solar Cycle: From Understanding to Forecasting”, 2012AAS...22030001N ADS
- Amouzou, E. C., Nandy, D., Muñoz-Jaramillo, A., & Martens, P. C. H., “Use of a Time Delay Dynamo Model to Obtain Sun-Like Sunspot Cycles”, 2012AAS...22020611A ADS
- Nandy, D. K., Singh, Y., Sahoo, B. K., & Li, C., “Sc III spectral properties of astrophysical interest”, 2011JPhB...44v5701N ADS
- Muñoz-Jaramillo, A., Nandy, D., & Martens, P. C. H., “Recent Improvements of Kinematic Models of the Solar Magnetic Cycle”, 2011shin.confE...3M ADS
- Muñoz-Jaramillo, A., Nandy, D., & Martens, P. C. H., “Understanding the Origin of the Extended Minimum of Sunspot Cycle 23”, 2011SPD...42.1743M ADS
- Martens, P. C., Nandy, D., & Muñoz-Jaramillo, A., “Meridional Surface Flows and the Recent Extended Solar Minimum”, 2011SPD...42.1705M ADS
- Muñoz-Jaramillo, A., Nandy, D., Martens, P. C. H., & Yeates, A. R., “The Double-Ring Algorithm: Reconciling Surface Flux Transport Simulations and Kinematic Dynamo Models”, 2011SPD...42.0205M ADS
- Nandy, D., Muñoz-Jaramillo, A., & Martens, P. C. H., “The unusual minimum of sunspot cycle 23 caused by meridional plasma flow variations”, 2011Natur.471...80N ADS
- Mursula, K., Marsh, D., Nandy, D., & Usoskin, I., “A review of Space Climate and an introduction to the papers of the JASTP special issue on Space Climate”, 2011JASTP...73..179M ADS
- Muñoz-Jaramillo, A., Nandy, D., & Martens, P. C. H., “Magnetic Quenching of Turbulent Diffusivity: Reconciling Mixing-length Theory Estimates with Kinematic Dynamo Models of the Solar Cycle”, 2011ApJ...727L..23M ADS
- Nandy, D., “Dynamo models of the solar cycle: current trends and future prospects”, 2011ASInC...2...91N ADS
- Muñoz-Jaramillo, A., Nandy, D., Martens, P. C. H., & Yeates, A. R., “A Double-ring Algorithm for Modeling Solar Active Regions: Unifying Kinematic Dynamo Models and Surface Flux-transport Simulations”, 2010ApJ...720L..20M ADS
- Preminger, D., Nandy, D., Chapman, G., & Martens, P. C. H., “Empirical Modeling of Radiative versus Magnetic Flux for the Sun-as-a-Star”, 2010SoPh...264...13P ADS
- Muñoz-Jaramillo, A., Nandy, D., & Martens, P. C. H., “Towards better Constrained Kinematic Dynamo Models: Turbulent Diffusivity and Diffusivity Quenching”, 2010AAS...21640116M ADS
- Muñoz-Jaramillo, A., Nandy, D., & Martens, P. C. H., “Are Active Regions as Relevant for the Solar Cycle as we Think?”, 2010AAS...21640108M ADS
- Nandy, D., Muñoz-Jaramillo, A., & Martens, P. C. H., “The Unusual Minimum of Solar Cycle 23 Explained”, 2010AAS...21631703N ADS
- Yeates, A. R., Attrill, G. D. R., Nandy, D., et al., “Comparison of a Global Magnetic Evolution Model with Observations of Coronal Mass Ejections”, 2010ApJ...709.1238Y ADS
- Nandy, D., “Outstanding Issues in Solar Dynamo Theory”, 2010ASSP...19...86N ADS
- Nandy, D., “Dynamo Processes”, 2010ASSP...18...35N ADS
- Muñoz-Jaramillo, A., Nandy, D., & Martens, P. C. H., “ERRATUM: “Helioseismic Data Inclusion in Solar Dynamo Models” (2009, ApJ, 698, 461)”, 2009ApJ...707.1852M ADS
- Muñoz-Jaramillo, A., Nandy, D., & Martens, P. C., “What do Solar Kinematic Models Tell us About the Current Minimum?”, 2009AGUFM11A1505M ADS
- Cook, G. R., Mackay, D. H., & Nandy, D., “Solar Cycle Variations of Coronal Null Points: Implications for the Magnetic Breakout Model of Coronal Mass Ejections”, 2009ApJ...704.1021C ADS
- Muñoz-Jaramillo, A., Nandy, D., & Martens, P. C. H., “Helioseismic Data Inclusion in Solar Dynamo Models”, 2009ApJ...698..461M ADS

- Martens, P. C., Nandy, D., & Muñoz-Jaramillo, A., “*The Unusual Minimum of Cycle 23: Observations and Interpretation*”, 2009SPD...40.2403M ADS
- Munoz-Jaramillo, A., Nandy, D., & Martens, P. C. H., “*Towards Better Constrained Solar Dynamo Models: The Velocity Field And Turbulent Diffusivity Profiles*”, 2009SPD...40.0405M ADS
- Muñoz-Jaramillo, A., Nandy, D., & Martens, P. C., “*Effect of the Magnetic Quenching of the Turbulent Diffusivity in a Mean-Field Kinematic Solar Dynamo*”, 2008AGUSMSP41A..09M ADS
- Nandy, D., “*Kinematic Dynamo Models Of The Solar Cycle*”, 2008AGUSMSP33A..01N ADS
- Nandy, D., Mackay, D. H., Canfield, R. C., & Martens, P. C. H., “*Twisted solar active region magnetic fields as drivers of space weather: Observational and theoretical investigations*”, 2008JASTP..70..605N ADS
- Howard, T. A., Nandy, D., & Koepke, A. C., “*Kinematic properties of solar coronal mass ejections: Correction for projection effects in spacecraft coronagraph measurements*”, 2008JGRA..113.1104H ADS
- Yeates, A. R., Nandy, D., & Mackay, D. H., “*Exploring the Physical Basis of Solar Cycle Predictions: Flux Transport Dynamics and Persistence of Memory in Advection- versus Diffusion-dominated Solar Convection Zones*”, 2008ApJ...673..544Y ADS
- Chatterjee, P., Choudhuri, A. R., Petrovay, K., & Nandy, D., “*A theoretical model for the magnetic helicity of solar active regions*”, 2008AdSpR..41..893C ADS
- Nandy, D., “*Magnetic Helicity, Coronal Heating and Solar Flaring Activity: A Review of the Role of Active Region Twist*”, 2008ASPC..383..201N ADS
- Nandy, D. & Martens, P. C., “*Long-Term Evolution of Solar Magnetic Activity Derived From Stellar Proxies*”, 2007AGUSMSH54B..04N ADS
- Munoz, A., Nandy, D., & Martens, P. C., “*The Stars as Suns Project: Recent Results from Solar and Stellar Dynamo Modeling*”, 2007AAS...210.9209M ADS
- Nandy, D., Calhoun, A., Windschitl, J., Canfield, R. C., & Linton, M. G., “*A New Technique For Measuring The Twist Of Photospheric Active Regions Without Recourse To The Force-Free-Field Equation: Reconfirming The Hemispheric Helicity Trend*”, 2007AAS...210.2402N ADS
- Belur, R., Longcope, D., Barnes, G., & Nandy, D., “*Active Region Magnetic Field Line Twist and Source of Coronal Magnetic Helicity*”, 2007AAS...210.2401B ADS
- Nandy, D. & Martens, P. C. H., “*Space Climate and the Solar Stellar connection: What can we learn from the stars about long-term solar variability?*”, 2007AdSpR..40..891N ADS
- Nandy, D., “*Magnetic helicity and flux tube dynamics in the solar convection zone: Comparisons between observation and theory*”, 2006JGRA..11112501N ADS
- Wilmot-Smith, A. L., Nandy, D., Hornig, G., & Martens, P. C. H., “*A Time Delay Model for Solar and Stellar Dynamos*”, 2006ApJ...652..696W ADS
- Nandy, D. & Martens, P. C. H., “*Unravelling Long-Term Solar Variability: The Stars As Suns Project*”, 2006IAUJD...8E..13N ADS
- Nandy, D., “*Generation And Dynamics Of Magnetic Fields In The Solar Convection Zone*”, 2006IAUJD...3E..14N ADS
- Munoz, A., Martens, P. C., & Nandy, D., “*Implementation of an Exponential Propagation Method to Numerically Solving the 2.5 D Stellar Dynamo Equations*”, 2006SPD...37.1202M ADS
- Nandy, D. & Martens, P. C. H., “*Unraveling long-term solar variability and its impact on space climate: The stars as suns project*”, 2006lws.conf..158N ADS
- Choudhuri, A. R., Chatterjee, P., Petrovay, K., & Nandy, D., “*A theoretical model for the magnetic helicity of solar active regions*”, 2006cosp...36..714C ADS
- Lakatos, S. L., Nandy, D., & Martens, P., “*The Magnetic Activity of Solar-like Stars at Different Main-Sequence Ages*”, 2005AAS...20711104L ADS
- Wilmot-Smith, A. L., Martens, P. C. H., Nandy, D., Priest, E. R., & Tobias, S. M., “*Low-order stellar dynamo models*”, 2005MNRAS.363.1167W ADS
- Hahn, M., Gaard, S., Jibben, P., Canfield, R. C., & Nandy, D., “*Spatial Relationship between Twist in Active Region Magnetic Fields and Solar Flares*”, 2005ApJ...629.1135H ADS
- Choudhuri, A. R., Nandy, D., & Chatterjee, P., “*Reply to the Comments of Dikpati et al.*”, 2005A&A...437..703C ADS
- Nandy, D., Hahn, M., Gaard, S., Jibben, P., & Canfield, R. C., “*The Relationship Between Active Region Twist & Solar Flaring Activity*”, 2005AGUSMSP23B..06N ADS
- Chatterjee, P., Nandy, D., & Choudhuri, A. R., “*Full-sphere simulations of a circulation-dominated solar dynamo: Exploring the parity issue*”, 2004A&A...427.1019C ADS
- Choudhuri, A. R., Chatterjee, P., & Nandy, D., “*Helicity of Solar Active Regions from a Dynamo Model*”, 2004ApJ...615L..57C ADS
- Nandy, D., “*Exploring Magnetic Activity from The Sun to the Stars*”, 2004SoPh..224..161N ADS
- Nandy, D., “*Meridional Circulation and the Solar Magnetic Cycle*”, 2004ESASP.559..241N ADS
- Holder, Z. A., Canfield, R. C., McMullen, R. A., et al., “*On the Tilt and Twist of Solar Active Regions*”, 2004ApJ...611.1149H ADS
- Hathaway, D. H., Nandy, D., Wilson, R. M., & Reichmann, E. J., “*Erratum: “Evidence that a Deep Meridional Flow Sets the Sunspot Cycle Period” (ApJ, 589, 665 [2003])*”, 2004ApJ...602..543H ADS
- Nandy, D., Hahn, M., Canfield, R. C., & Longcope, D. W., “*Detection of a Taylor-like Plasma Relaxation Process in the Sun and its Implication for Coronal Heating*”, 2004IAUS..223..473N ADS
- Nandy, D., Chatterjee, P., & Choudhuri, A. R., “*Full Sphere Axisymmetric Simulations of the Solar Dynamo*”, 2004IAUS..223..133N ADS
- Choudhuri, A. R., Chatterjee, P., & Nandy, D., “*The Origin of Helicity in Solar Active Regions*”, 2004IAUS..223..45C ADS
- Nandy, D., Hahn, M., Canfield, R. C., & Longcope, D. W., “*Detection of a Taylor-like Plasma Relaxation Process in the Sun*”, 2003ApJ...597L..73N ADS
- Hathaway, D. H., Nandy, D., Wilson, R. M., & Reichmann, E. J., “*Evidence that a Deep Meridional Flow Sets the Sunspot Cycle Period*”, 2003SPD...34.2604H ADS
- Nandy, D., “*Delving Deeper into the Solar Dynamo Mechanism: Alpha Effect, Parity Selection and Large Scale Flows.*”, 2003SPD...34.1906N ADS
- Hathaway, D. H., Nandy, D., Wilson, R. M., & Reichmann, E. J., “*Evidence That a Deep Meridional Flow Sets the Sunspot Cycle Period*”, 2003ApJ...589..665H ADS
- Nandy, D. & Choudhuri, A. R., “*Insights on Turbulent Flows*”, 2003PADEU...13..21N ADS
- Nandy, D., “*Reviewing solar magnetic field generation in the light of helioseismology*”, 2003ESASP.517..123N ADS
- Choudhuri, A. R. & Nandy, D., “*Solar dynamo models with realistic internal rotation*”, 2002ESASP.505..91C ADS
- Nandy, D., “*Constraints on the Solar Internal Magnetic Field from a Buoyancy Driven Solar Dynamo*”, 2002Ap&SS.282..209N ADS
- Nandy, D. & Choudhuri, A. R., “*Explaining the Latitudinal Distribution of Sunspots with Deep Meridional Flow*”, 2002Sci...296.1671N ADS
- Nandy, D. & Choudhuri, A. R., “*On the absence of sunspots at high solar latitudes and associated constraints on the meridional flow in the solar interior*”, 2002AAS...200.8901N ADS
- Nandy, D., “*Can theoretical solar dynamo models predict future solar activity?*”, 2002cosp...34E..53N ADS
- Nandy, D., “*Insights of the physical processes in the Sun s interior from solar dynamo studies.*”, 2002cosp...34E..52N ADS
- Nandy, D., “*Characteristics Of A Magnetic Buoyancy Driven Solar Dynamo Model*”, 2001astro.ph..7564N ADS
- Nandy, D. & Choudhuri, A. R., “*Toward a Mean Field Formulation of the Babcock-Leighton Type Solar Dynamo. I. α -Coefficient versus Durney’s Double-Ring Approach*”, 2001ApJ...551..576N ADS
- Nandy, D. & Choudhuri, A. R., “*The Role of Magnetic Buoyancy in a Babcock-Leighton Type Solar Dynamo*”, 2000JApA...21..381N ADS
- Nandy, D. & Choudhuri, A. R., “*Incorporating magnetic buoyancy in solar dynamo models: New results, problems – and their possible solutions.*”, 2000SPD...31.0134N ADS
- Krori, K. D. & Nandy, D., “*Vacuum-field solutions of Ross and Sen-Dunn theories of gravitation*”, 1978JPhA...11.1943K ADS