

SG [Space plasma & Geomagnetism]

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Laboratory observations of particle heating and acceleration during electron-only magnetic reconnection
New insights on the high reconnection rate and diminishment of ion outflow in reconnection
Secondary reconnection between interlinked flux tubes driven by magnetic reconnection with a short x-line
The Scaling of Particle Acceleration During Asymmetric Reconnection
Numerical analysis of three-dimensional magnetopause-like reconnection properties by iPIC3D simulation for SPERF-AREX
Interactions between dipolarization front and magnetic reconnection: MMS observations
Community Structure Of Earth's Magnetic Field Measurements
Time series analysis of electron acceleration in quasi-perpendicular shock transition regions
Guide Field Dependence of Energy Conversion and Magnetic Topologies in Reconnection
Turbulent Outflow
Two-dimensional Particle-in-cell Simulation of Magnetic Reconnection in the magnetosheath
Power laser experiment of magnetized shock: Reflected ions and nonstationarity
Observation of complexity-entropy in the Earth's plasma sheet
High-Frequency Wave Generation at Earth's Bow Shock: Insights from Shock-Driven Electron Acceleration
Wavelet-based modeling of the heliospheric turbulent magnetic field
Magnetospheric radio and plasma wave emissions: Quasilinear analysis of Juno spacecraft data
Nonlinear Wave Growth of Whistler-mode Hiss Emissions in the Plasmasphere
Modulation of Lower Hybrid and ECH Waves by Ultra-low Frequency (ULF) Waves in the Earth's Magnetosphere
Small-scale Magnetic Flux Ropes across Earth's Bow Shock
Banded Electron Cyclotron Waves at Earth's Magnetopause
Gyrokinetic simulation of auroral arc growth in a dipole field
Electron scale current sheets in kinetic Alfvén wave turbulence
Multi-instrument study on the Great American Solar Eclipse
The effect of plasma expansion on the dispersion properties of MHD waves
Plasma two-fluid simulation using Physics-Informed Neural Networks
MHD Rossby waves and the analogy between solar magnetic activity and the Earth's weather
Effects of a planetary magnetic field on ion escape from ancient Mars based on 3D global multifluid MHD simulations
Effect of Forbush Decrease on Global Electric Circuit
Relaxed magnetic structures in the Saturn's ring
Exploring the wave modes from charged particles in space plasmas; theory and observation.
Influence of secondary electron emission on plasma-surface interactions in the low Geostationary orbit environment
Global MHD simulation of magnetospheric dynamics: comparison between the terrestrial and Jovian planets
Magnetic helicity observations in the inner heliosphere
Linear Theory of Tearing Instability with the improved WKB approximation
Cluster Observations of Whistler Waves and Associated Non-Maxwellian Velocity Distributions
Resonant and nonresonant wave-particle interactions in the mirror and firehose instabilities
Auroral Beading and Magnetospheric ULF Waves
Activity of plasmaspheric hiss waves during the May 2024 Gannon storm observed by the Arase satellite
Direct observations of cross-scale wave-particle energy transfer in space plasmas
Electrostatic Solitary Waves in Space Plasmas: Recent Advancements and Applications in Planetary Magnetospheres
Revisiting the analytical and numerical analysis of Bump on tail instability by reduced Cairns distribution
Formation of the Spectral Gap Around 0.5fce of Whistler-Mode Chorus Waves in the Earth's magnetosphere
EMIC waves and associated particle dynamics in the inner Earth's Magnetosphere
Effect of evolving turbulence on the diffusion coefficients of wave-particle interaction associated with whistler model wave
CubeSat project PCUBE for probing, controlling, and understanding of radiation belt environments
Nonlinear Interactions Between Chorus and ECH Waves in the Inner Magnetosphere
Harmonic structure of lower hybrid and upper hybrid waves driven by energetic particles
Quasilinear theory for the collective and collisional processes: A fundamental explanation of "Electron Brazil Plot"
Equatorward wind driven significant upwelling of the Thermosphere-Ionospheric Ca+ layer over middle latitude during the November 2023 strong geomagnetic storm
Identification of major ionizing sources for D-region ionization using VLF signal amplitude during solar flare emission event
Transition from a Dungey convection- to rotation-dominated magnetosphere: Implications of magnetic topology and auroral morphology
Sun-aligned arc motion driven by magnetic reconnection under northward IMF
Damped KP equation for magnetosonic waves in a dissipative ionospheric F Layer OH plasma
Direct comparisons of whistler mode excitation between an electric and loop dipole antenna in a laboratory plasma
India Ionospheric precursors before Strong Earthquakes Detected by GPS-TEC
Hybrid simulations of magnetosheath jets and bow waves
Simulation of Solar Energetic Particles Propagation under Stream Interaction Regions