

学術論文を書いてあなたの業績を科学界に残しましょう

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皆さんは、なぜ学術科学論文を書くのでしょうか？あなたが卒論・修論・博論で得た研究結果は、そのままではあなたとその周辺の人しか知りません。これを世界の人に検証可能な形で知らせるのが科学論文です。成果を得ただけで公表しないのは自己満足に過ぎませんし、高額な予算を使って得られた成果は報告されなければなりません。したがって、科学論文を書くことは研究者の義務でもあります。科学論文は、人類の文明が続く限り、永遠に残ります。あなたが科学論文を出すことは、世界の研究者や人類のメリットになります。ぜひ自信を持って論文を書いてください。この講演では、

- なぜ科学論文を書くのか？
- どういった成果なら科学論文として報告できるのか？
- 英文の書き方
- 論文の書き方
- 投稿する雑誌の選び方
- 共著者の義務
- 研究倫理
- 査読の手順
- Editor、査読者に対する返事の書き方
- 査読者を依頼されたら？



といった項目について、皆さんと質疑応答をしながら紹介していけたら、と思います。ぜひこの講演を聞いて、皆さんも重要な科学論文を書いてください。

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RESEARCH LETTER

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Special Section:

Initial results of the ERG (Arase) project and multi-point observations in geospace

Key Points:

- Unique geomagnetic purple auroral rays and global Pc1/FAC wave were observed during a CP-driven solar wind density enhancement
- Pc1/FAC waves were found over a wide longitudinal range extending from midnight through morning to the afternoon due to CIR arrival
- Entry of high-density solar wind plasma into the magnetosphere may have created tail purple auroral rays in the south hemisphere

Supporting Information:

- Supporting Information S1
- Movie S1
- Movie S2

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Purple Auroral Rays and Global Pc1 Pulsations Observed at the CIR-Associated Solar Wind Density Enhancement on 21 March 2017

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FULL PAPER

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Airglow-imaging observation of plasma bubble disappearance at geomagnetically conjugate points

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Shiokawa et al. *Earth, Planets and Space* (2017) 69:160
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Abstract This paper reports geomagnetic pulsations, 1 March 2017, at the beige background of the Arase satellite. The purple of the CIR-associated solar wind density enhancement. 13 March 2017. *Geophysical Research Letters*, 45, 10.1029/2018GL079103

Plain Language Summary Global geomagnetic pulsations in the northern sky at Hsuak

Abstract

We report the first observation of the disappearance of a plasma bubble was observed by airglow imagers at Darwin, Australia (magnetic lat 100.2). The plasma bubble was observed in 630-nm airglow images. It disappeared equatorward from 1800 to 1900 UT (0300 to 0400 LT) in the Yamaguchi (20 km north of Sata) show strong spread-F signatures at virtual height suddenly increased from approximately 200 to 400 km to disappear. However, a similar F-layer height increase was not observed. The disappearance of the F-layer rise was caused not by an eastward electric field but by a westward electric field. We think that this enhancement of equatorward propagating large-scale traveling ionospheric disturbance (LTD) of 630-nm airglow images. We speculate that polarization-neutral wind drive plasma drift across the magnetic field line to cause

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Ground-based instruments of the PWING project to investigate dynamics of the inner magnetosphere at subauroral latitudes as a part of the ERG-ground coordinated observation network