












論文セッション：趣旨説明



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「[SGEPSS 論文賞](#)」の CA 分科会推薦論文を選考するための場としてセッションを設けました。SGEPSS 論文賞は、地球電磁気・地球惑星圏学会会員が Earth, Planets and Space 誌に直近 2 年間に責任著者として出版した論文が対象で、引用件数にはこだわらず、将来性・独創性の高さ、関連分野へのインパクトの大きさなどの観点から選考されます。2021 年 SGEPS 論文賞は、2019 年・2020 年に出版された以下の論文が推薦対象で、本セッションでは、責任著者が発表を希望した 6 編について、概要を紹介いただきました。

Author(s)	Article Title	Vol#	Article#	QR code
Triahadini et al.	Magnetotelluric transect of Unzen graben, Japan: conductors associated with normal faults	71	28 (2019)	
Kanda et al.	Hydrothermal system of the active crater of Aso volcano (Japan) inferred from a three-dimensional resistivity structure model	71	37 (2019)	
Utsugi	3-D inversion of magnetic data based on the L1-L2 norm regularization	71	73 (2019)	

Ichiyama et al.	<u>Electrical resistivity modeling around the Hidaka collision zone, northern Japan: regional structural background of the 2018 Hokkaido Eastern Iburi earthquake (Mw 6.6)</u>	71	100 (2019)	
Zorin et al.	<u>Validity of the dispersion relations in magnetotellurics: Part I: theory</u>	72	9 (2020)	
Sato	<u>Altitude effects of localized source currents on magnetotelluric responses</u>	72	77 (2020)	
Yamazaki et al.	<u>Vault-housed extensometers recorded a rapid initial pulse before precursory magma reservoir inflation related to the 2011 eruption of Shinmoe-dake, Japan</u>	72	83 (2020)	

Sato et al.	<u>Spatial gradients of geomagnetic temporal variations causing the instability of inter-station transfer functions</u>	72	105 (2020)	
Baba et al.	<u>Two independent signals detected by ocean bottom electromagnetometers during a non-eruptive volcanic event: Ogasawara Island arc volcano, Nishinoshima</u>	72	112 (2020)	
Minami et al.	<u>A candidate secular variation model for IGRF-13 based on MHD dynamo simulation and 4DnVar data assimilation</u>	72	136 (2020)	
Hongo et al.	<u>Estimation of bulk permittivity of the Moon's surface using Lunar Radar Sounder on-board Selenological and Engineering Explorer</u>	72	137 (2020)	

Zorin et al.	Validity of the dispersion relations in magnetotellurics. Part II: synthetic and field data	72	139 (2020)	
Tseng et al.	Anatomy of active volcanic edifice at the Kusatsu-Shirane volcano, Japan, by magnetotellurics: hydrothermal implications for volcanic unrests	72	161 (2020)	
Matsushima	Effect of core electrical conductivity on core surface flow models	72	180 (2020)	