

"Earth, Planets and Space" *An Open Access Journal:* *Past, Present and and Future*

小川康雄（東京工業大学理学院）

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5 学会の雑誌



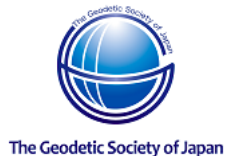
地球電磁気・地球惑星圏学会



日本地震学会



日本火山学会



日本測地学会



日本惑星科学会

Journal Scope

5 学会のスコープ

- Geomagnetism
- Aeronomy
- Space Science
- Seismology
- Volcanology
- Geodesy
- Planetary Sciences

EPSの歴史

1998年に2誌が合流 冊子体の出版

JGG (Journal of Geomagnetism and Geoelectricity) 1949-

JPE (Journal of Physics of the Earth) 1952-

日本惑星科学会が加わる



The Geodetic Society of Japan

2014年からOpen Access出版

* SpringerOpen platform

Current volume number : 71

H-index: 63

articles: 3,386

Total cites: 39,621 (May 27, 2019)



Editorial Board

迅速な編集のために2016年に大幅拡大＋国際化

編集長 Yasuo Ogawa Tokyo Institute of Technology, Japan

副編集長 (固体地球科学) Masato Furuya Hokkaido University, Japan

副編集長 (宇宙科学) Nozomu Nishitani Nagoya University, Japan

Editors(50)

日本 (25) 50%

アジア(6): 中国(2), 台湾(2), シンガポール(1) インド(1)

オセアニア (3): オーストラリア(2) ニュージーランド(1)

ヨーロッパ (9): イギリス(3), ドイツ(2), スイス (1), フランス(1), イタリア(1), オーストリア(1)

北米 (3): 米国(3)

Article Types

1. Full paper
2. *Express Letter*
($<5,000$ words, max 5 (figs+tbls)) 2017~
3. Frontier Letter (invited letter)
4. Technical report
Instrument design
Software design
5. Comment

特集号

Thematic collections as links

- * イベント(火山噴火, 地震)
- * 観測機器システム・惑星科学ミッションの技術的側面
- * 研究プロジェクト成果とりまとめ

- 2014: 5 issues
- 2015: 8 issues
- 2016: 4 issues
- 2017: 6 issues
- 2018: 4 issues
- 2019: 4 issues

最近の特集号

Recent Advances in Geo-, Paleo- and Rock-Magnetism

地球電磁気

L-band Synthetic Aperture Radar: Current and future applications to Earth sciences

測地

Crustal Dynamics: Toward Integrated View of Island Arc Seismogenesis

地震

Towards forecasting phreatic eruptions: Examples from Hakone volcano and some global equivalents

火山

Akatsuki at Venus: The First Year of Scientific Operation

惑星科学

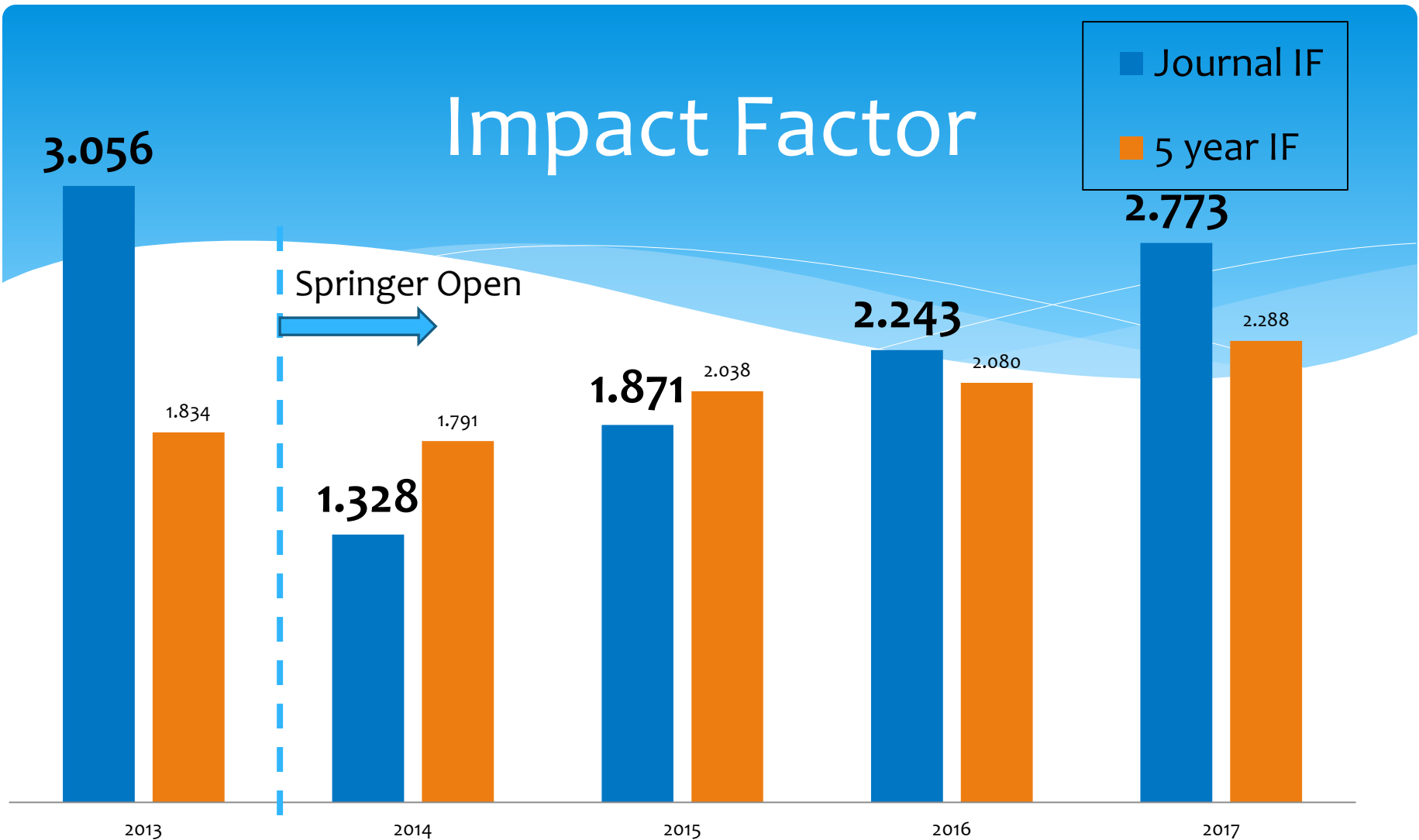
Geospace Exploration by the ERG mission

宇宙科学

EPSで出版するメリット

- * オープンアクセス出版
- * 5学会による確かな運営
- * 品質の高いレビュー
- * 迅速なレビュー (特に *Express Letters: 1st decision 43 days*)
- * インパクトファクターが上昇中
- * 比較的安価なAPC
€1,140 (会員€1,200) 2018年9月から値上げ
- * 特集号提案
- * 表彰制度

Impact Factor

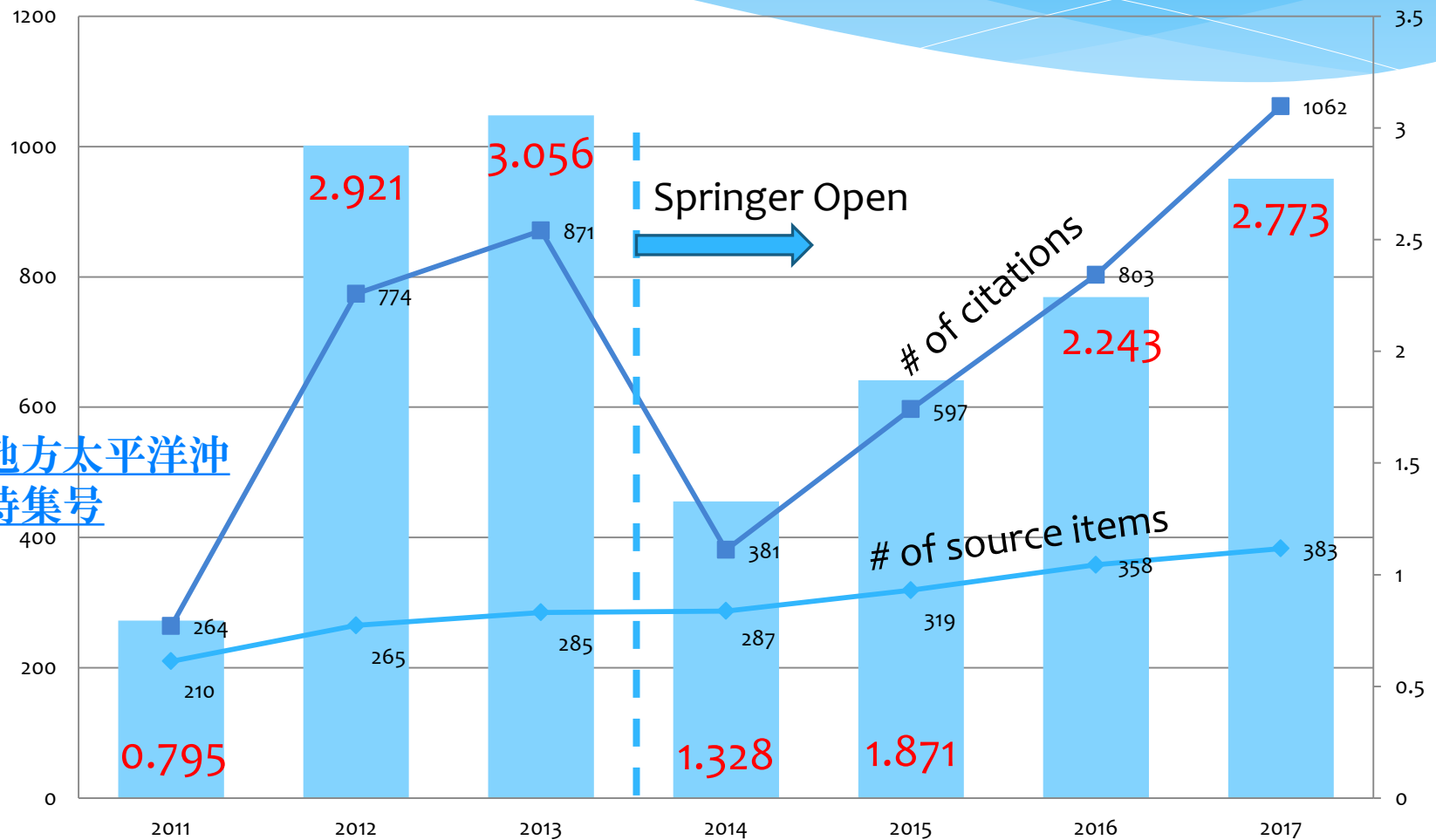


GEOSCIENCES, MULTIDISCIPLINARY

Q1	Q3	Q2	Q2	Q2
27/174	119/175	78/184	72/189	53/189

Impact factor

東北地方太平洋沖
地震特集号



Successful special issue

Published 4 month after the Tohoku 2011 EQ

[東北地方太平洋沖地震](#)

Earth, Planets and Space
All Volumes & Issues

Volume 63, Issue 7, July 2011

First Results of the 2011 Off the Pacific Coast of Tohoku Earthquake

ISSN: 1880-5981 (Online)

As of May 29, 2019

In this issue (71 articles)

Letter

[Preface](#)

Hiroo Kanamori, Kiyoshi Yomogida

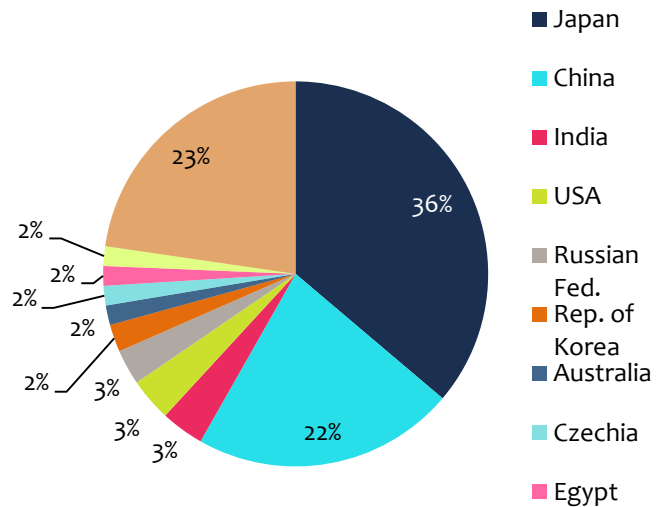
» [Download PDF](#) (402KB)

» [View Article](#)

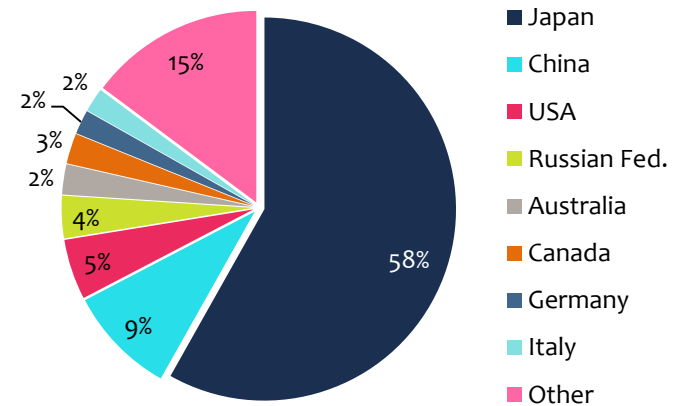
	Citations in 5 yrs
Fujii et al.	274
Lay at al.	186
Shao et al.	168
Ammon et al.	150
Ammon et al.	139

国別投稿数・受理数

Submissions by country



Acceptances by country



Acceptance 64%

投稿数

2016		2017		2018		2019	
Japan	146	Japan	148	Japan	113	Japan	42
China	40	China	54	China	64	China	30
India	15	Taiwan	22	India	11	Ethiopia	3
Brazil	6	India	10	USA	11	France	3
Korea	6	USA	10	Korea	8	India	3

- 日本からの投稿はやや減る傾向
- 中国からの投稿が増える

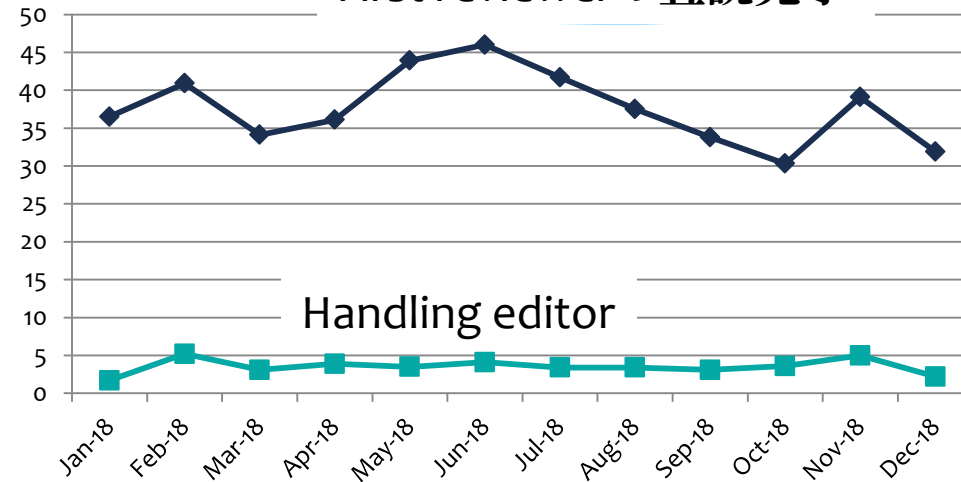
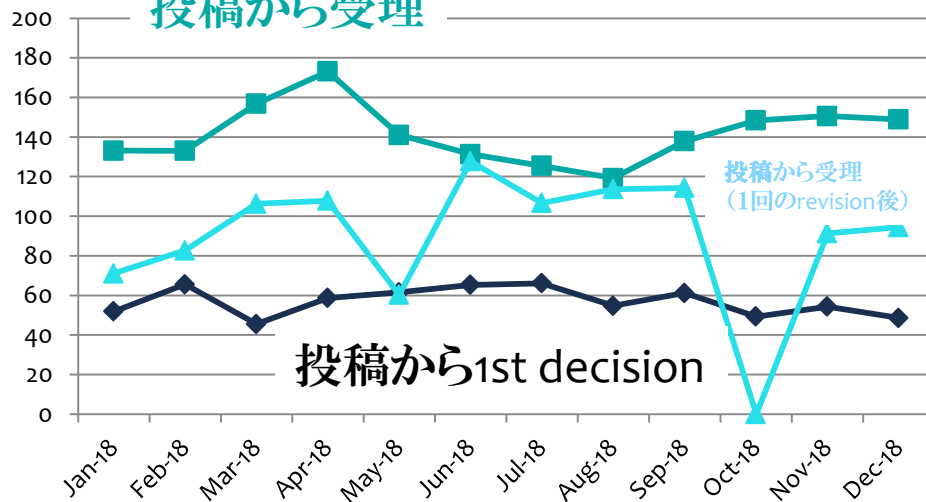
査読プロセスに要する日数

Decisions

Peer Review

投稿から受理

First reviewerの査読完了



- Submission to first decision for reviewed manuscripts
- Submission to acceptance for acceptances in any revision round
- Submission to acceptance for acceptances in 1st revision round

- First reviewer agreed to Required reviews completed
- Required reviews completed to First decision recommended

投稿から出版までの日数

	Sub to pub - days
2017	140
2018	141
2019	162

EPSの被引用雑誌 2017-2018出版分

- * EARTH PLANETS AND SPACE
- * GEOPHYSICAL RESEARCH LETTERS
- * JOURNAL OF GEOPHYSICAL RESEARCH SOLID EARTH
- * JOURNAL OF GEOPHYSICAL RESEARCH SPACE PHYSICS
- * GEOPHYSICAL JOURNAL INTERNATIONAL
- * BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA
- * PURE AND APPLIED GEOPHYSICS
- * Remote Sensing
- * Earth and Planetary Science Letters
- * Seismological Research Letters

Top 10 well cited papers

Article title	Author	Year	DOI	Number of citations
Recent progress of seismic observation networks in Japan - Hi-net, F-net, K-NET and KiK-net	Okada, Y	2004	10.1186/BF03353076	294
Tsunami source of the 2011 off the Pacific coast of Tohoku Earthquake	Fujii, Yushiro	2011	10.5047/eps.2011.06.010	268
International Geomagnetic Reference Field: the 12th generation	Thebault, Erwan	2015	10.1186/s40623-015-0228-9	263
Plasmoid-induced-reconnection and fractal reconnection	Shibata, K	2001	10.1186/BF03353258	250
Swarm: A constellation to study the Earth's magnetic field	Friis-Christensen, E	2006	10.1186/BF03351933	184
Possible large near-trench slip during the 2011 M-w 9.0 off the Pacific coast of Tohoku Earthquake	Lay, Thorne	2011	10.5047/eps.2011.05.033	181
Focal mechanism and slip history of the 2011 M-w 9.1 off the Pacific coast of Tohoku Earthquake, constrained with teleseismic body and surface waves	Shao, Guangfu	2011	10.5047/eps.2011.06.028	162
Repeating short- and long-term slow slip events with deep tremor activity around the Bungo channel region, southwest Japan	Hirose, H	2005	10.1186/BF03351875	147
Ionospheric disturbance magnetic field continuation from the ground to the ionosphere using spherical elementary current systems	Amm, O	1999	10.1186/BF03352247	145
A new technique for mapping of total electron content using GPS network in Japan	Otsuka, Y	2002	10.1186/BF03352422	144

Awards

1. EPS Excellent Paper Award (2016~)
 - * One paper in the previous 5 years
2. EPS Young Researcher Award (2003~)
 - * 35 yrs old or younger at the submission
3. Excellent Reviewers (2013~)
4. Highlighted Papers (2007~)

EPS Excellent Paper Award 2018

Kato et al. *Earth, Planets and Space* (2015) 67:111
DOI 10.1186/s40623-015-0288-x

 **Earth, Planets and Space**
a SpringerOpen Journal

FRONTIER LETTER

Open Access



Preparatory and precursory processes leading up to the 2014 phreatic eruption of Mount Ontake, Japan

Aitaro Kato^{1,2*}, Toshiko Terakawa¹, Yoshiko Yamanaka¹, Yuta Maeda¹, Shinichiro Horikawa¹, Kenjiro Matsuhiro¹ and Takashi Okuda¹

EPS Young Researcher Award 2018

Dr. C. H. Chen

Chen *et al.* *Earth, Planets and Space* (2016) 68:32
DOI 10.1186/s40623-016-0412-6

 **Earth, Planets and Space**
a SpringerOpen Journal

FULL PAPER

Open Access



Medium-scale traveling ionospheric disturbances by three-dimensional ionospheric GPS tomography

C. H. Chen^{1*}, A. Saito², C. H. Lin¹, M. Yamamoto³, S. Suzuki³ and G. K. Seemala⁴

Excellent Reviewer Award 2018

Excellent reviewers

It is essential for an academic journal to have qualified reviewers to maintain its scientific standard. To recognize the contributions of important reviewers in *Earth, Planets and Space*, we have granted the 'Excellent Reviewer' award to selected reviewers each year since 2013. The awardees are determined at the end of each year by the EPS editorial board based on the recommendations of regular and guest editors.

2018

Duncan Agnew
Hagay Amit
Colin Farquharson
Chris Meek
Michihiko Nakamura
Keiichi Ogasawara
Dmitri Rouwet
Aleksey Smirnov
Krzysztof Sośnica
Kazue Takahashi
Yoichi Usui

Now linked to **PUBLONS**

Highlighted papers 2018

[Mean winds at the cloud top of Venus obtained from two-wavelength UV imaging by Akatsuki](#) Takeshi Horinouchi et al.

[Medium-energy particle experiments—electron analyzer \(MEP-e\) for the exploration of energization and radiation in geospace \(ERG\) mission](#) Satoshi Kasahara et al.

[Simultaneous observation of auroral substorm onset in Polar satellite global images and ground-based all-sky images](#) Akimasa Ieda et al.

[Understanding and forecasting phreatic eruptions driven by magmatic degassing](#) John Stix and J. Maarten de Moor

[Temporal variation in the resistivity structure of the first Nakadake crater, Aso volcano, Japan, during the magmatic eruptions from November 2014 to May 2015, as inferred by the ACTIVE electromagnetic monitoring system](#) Takuto Minami et al.

[Shallow volcanic reservoirs and pathways beneath Aso caldera revealed using ambient seismic noise tomography](#) Yu-Chih Huang et al.

[Paleomagnetic studies on single crystals separated from the middle Cretaceous Iritono granite](#) Chie Kato et al.

[Turbulence kinetic energy dissipation rates estimated from concurrent UAV and MU radar measurements](#) Hubert Luce et al.

EPS 運営委員会

Members

- * 10 Members from 5 societies

Functions

1. Financing

- * Support from the 5 societies & JSPS

2. Advertisements

- * Booth at conferences (JPGU, AOGS, AGU. EGU)
- * Societies' EPS web pages
- * Social media
 - * Facebook
 - * Blog

Future plans

- * Towards Q1 journal
- * Faster review
- * Promotion of special issues
- * Promotion of invited papers (Frontier Letter)
- * More visibility
 - * *Society web page*
 - * *blog, twitter, Facebook*
 - * *Email advertisement: by Springer by 5 Societies*
 - * *publons*
- * Towards more collaboration with JpGU / PEPS
 - as one of the ” **Letter journals**” in JPGU
 - * collaborative advertisement
 - * Joint special issues