

RETRACTION NOTE

Open Access



Retraction Note to: Recovery process of shear wave velocities of volcanic soil in central Mashiki Town after the 2016 Kumamoto earthquake revealed by intermittent measurements of microtremor

Yoshiya Hata^{1*}, Masayuki Yoshimi², Hiroyuki Goto³, Takashi Hosoya⁴, Hitoshi Morikawa⁵ and Takao Kagawa⁶

Retraction to: *Earth, Planets and Space* (2017) 69:72
<https://doi.org/10.1186/s40623-017-0657-8>

The Editor-in-Chief is retracting this article (Hata et al. 2017) because an Investigation Committee established by Osaka University has found that data were fabricated by manipulation, and that theoretical calculation values were falsified to make the fabricated data look more convincing. Masayuki Yoshimi, Hiroyuki Goto, Takashi Hosoya, Hitoshi Morikawa and Takao Kagawa agree with this retraction. Yoshiya Hata is deceased.

Author details

¹ Graduate School of Engineering, Osaka University, 2-1 Yamada-oka, Suita, Japan. ² Geological Survey of Japan, National Institute of Advanced Industrial Science and Technology, 1-1-1 Higashi, Tsukuba, Japan. ³ Disaster Prevention Research Institute, Kyoto University, Gokasho, Uji, Japan. ⁴ Solution Center, Chuo Kaihatsu Corporation, 3-13-5 Nishi-waseda, Shinjuku Ward, Tokyo, Japan. ⁵ School of Environment and Society, Tokyo Institute of Technology, 4259, Nagatsuta, Midori Ward, Yokohama, Japan. ⁶ Graduate School of Engineering, Tottori University, 4-101 Minami, Koyama, Tottori, Japan.

Received: 14 May 2019 Accepted: 16 May 2019
Published online: 28 May 2019

Reference

Hata Y, Yoshimi M, Goto H, Hosoya T, Morikawa H, Kagawa T (2017) Recovery process of shear wave velocities of volcanic soil in central Mashiki Town after the 2016 Kumamoto earthquake revealed by intermittent measurements of microtremor. *Earth Planets Space* 69:72. <https://doi.org/10.1186/s40623-017-0657-8>

Publisher's Note

Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

The original article can be found online at <https://doi.org/10.1186/s40623-017-0657-8>.

*Correspondence: hata@civil.eng.osaka-u.ac.jp

¹ Graduate School of Engineering, Osaka University, 2-1 Yamada-oka, Suita, Japan

Full list of author information is available at the end of the article