

Yasunori Sawaki, Ph.D.

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TITLE: Ph.D.

LAST NAME: Sawaki

FIRST NAME: Yasunori

NATIONALITY: Japanese

INSTITUTION: National Institute of Advanced Industrial Science and Technology (AIST), Japan

DEPARTMENT: Geological Survey of Japan

POSITION: Postdoctoral Researcher

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ORCID: [0000-0002-4043-3391](https://orcid.org/0000-0002-4043-3391)

GitHub: [yasuit21](https://github.com/yasuit21)

Education

Apr. 2020–
Mar. 2023

Ph.D. (Science), Graduate School of Science, Kyoto University, Japan

Dissertation title: "Heterogeneous seismic structure in onshore and offshore areas of the Nankai subduction zone with receiver-side responses to regional deep-focus and teleseismic earthquakes"

Supervisor: Prof. Yoshihiro Ito, Disaster Prevention Research Institute, Kyoto University, Japan

Apr. 2018–
Mar. 2020

MSc., Graduate School of Science, Kyoto University, Japan

Supervisor: Prof. Yoshihiro Ito, Disaster Prevention Research Institute, Kyoto University, Japan

Apr. 2014–
Mar. 2018

BSc., Faculty of Science, Tohoku University, Japan

Supervisor: Prof. Akio Suzuki, Faculty of Science, Tohoku University, Japan

Employment

Apr. 2023–
Present

Postdoctoral Researcher

Geological Survey of Japan, AIST, Tsukuba, Japan

Areas of Specialization

Geophysics; Seismology

Professional Memberships

Japan Geoscience Union

Seismological Society of Japan

Honors & Awards

2022 Outstanding Student Presentation Award, Seismological Society of Japan

Grants

Aug. 2023–
Mar. 2025 Principal Investigator:
Grant-in-Aid for Research Activity start-up, KAKENHI, Japan Society for the Promotion Science (JSPS), 2,100k JPY

Publications & Talks

PEER-REVIEWED JOURNAL ARTICLES

- 2024 **Sawaki, Yasunori**, Yoshihiro Ito, Emmanuel Soliman M. Garcia, Ayumu Miyakawa, and Takuo Shibutani, (2024). Deep plutonic bodies over low-frequency earthquakes revealed from receiver-side Green's functions. *Tectonophysics*, 892, 230536. doi: [10.1016/j.tecto.2024.230536](https://doi.org/10.1016/j.tecto.2024.230536)
- 2023 Ruan, Yihuan, Yoshihiro Ito, and **Yasunori Sawaki**, (2023). Anisotropic Velocity Structure Beneath Shikoku, Japan: Insights From Receiver Function and Shear Wave Splitting Analyses. *Journal of Geophysical Research: Solid Earth*, 128, e2023JB027178. doi: [10.1029/2023JB027178](https://doi.org/10.1029/2023JB027178)
- 2023 **Sawaki, Yasunori**, Yusuke Yamashita, Shukei Ohyanagi, Emmanuel Soliman M. Garcia, Aki Ito, Hiroko Sugioka, Tsutomu Takahashi, Masanao Shinohara, and Yoshihiro Ito, (2023). Seafloor depth controls seismograph orientation uncertainty. *Geophysical Journal International*, 232(2), 1376–1392, doi: [10.1093/gji/ggac397](https://doi.org/10.1093/gji/ggac397)
- 2023 Akuhara, Takeshi, Yusuke Yamashita, Shukei Ohyanagi, **Yasunori Sawaki**, Tomoaki Yamada, and Masanao Shinohara, (2023). Shallow low-velocity layer in the Hyuga-nada accretionary prism and its hydrological implications: Insights from a passive seismic array. *Journal of Geophysical Research: Solid Earth*, 128, e2022JB026298. doi: [10.1029/2022JB026298](https://doi.org/10.1029/2022JB026298)
- 2021 **Sawaki, Yasunori**, Yoshihiro Ito, Kazuaki Ohta, Takuo Shibutani, and Tomotaka Iwata, (2021). Seismological structures on bimodal distribution of deep tectonic tremor. *Geophysical Research Letters*, 48, e2020GL092183. doi: [10.1029/2020GL092183](https://doi.org/10.1029/2020GL092183)

INVITED TALKS

- 2023 **Sawaki, Yasunori**, Yusuke Yamashita, Shukei Ohyanagi, Emmanuel Soliman M. Garcia, Aki Ito, Hiroko Sugioka, Tsutomu Takahashi, Masanao Shinohara, and Yoshihiro Ito, (2023). Heterogeneous seismic structure at Hyuga-nada from receiver-side Green's functions. *Japan Geoscience Union Meeting 2023*, SSSo4-01, Chiba, Japan, May 2023

Teaching Experience

- 2021 **Teaching Assistant**, "Experiments on Earth Science",
Institute for Liberal Arts and Sciences, Kyoto University