

Yasunori Sawaki, Ph.D.

Last updated: April 3, 2025

TITLE: Ph.D.

LAST NAME: Sawaki

FIRST NAME: Yasunori

NATIONALITY: Japanese

INSTITUTION: Ritsumeikan University, Japan

DEPARTMENT: College of Science and Engineering

POSITION: Assistant Professor

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

Employment

- Apr. 2025–
Present **Assistant Professor**
College of Science and Engineering, Ritsumeikan University, Kusatsu, Japan
- Apr. 2023–
Mar. 2025 **Postdoctoral Researcher**
Geological Survey of Japan, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Japan

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

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. 2026 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

Author type	# papers
First author	4
Corresponding*	4
Co-author	2
Total	6

- 2025 **Sawaki, Y.***, T. Shiina, K. Sagae, Y. Sato, H. Horikawa, A. Miyakawa, K. Imanishi, and T. Uchide (2025). Fault Geometries of the 2024 Mw 7.5 Noto Peninsula Earthquake from Hypocenter-Based Hierarchical Clustering of Point-Cloud Normal Vectors. *Journal of Geophysical Research: Solid Earth*, 130, e2024JB030233. doi: [10.1029/2024JB030233](https://doi.org/10.1029/2024JB030233)
- 2024 **Sawaki, Y.***, Y. Ito, E. S. M. Garcia, A. Miyakawa, and T. 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, Y.*, Y. Ito, and **Y. 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 Akuhara, T.*, Y. Yamashita, S. Ohyanagi, **Y. Sawaki**, T. Yamada, and M. 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)
- 2023 **Sawaki, Y.***, Y. Yamashita, S. Ohyanagi, E. S. M. Garcia, A. Ito, H. Sugioka, T. Takahashi, M. Shinohara, and Y. 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)
- 2021 **Sawaki, Y.***, Y. Ito, K. Ohta, T. Shibutani, and T. 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, Y.**, Y. Yamashita, S. Ohyanagi, E. S. M. Garcia, A. Ito, H. Sugioka, T. Takahashi, M. Shinohara, and Y. Ito, (2023). Heterogeneous seismic structure at Hyuga-nada from receiver-side Green's functions. *Japan Geoscience Union Meeting 2023*, SSS04-01, Chiba, Japan, May 2023

Teaching Experience

2021

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