Yasunori Sawaki, Ph.D.

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Title: Ph.D., Science, Kyoto University
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Institution: Ritsumeikan University, Japan
Department: Department of Physical Sciences / College of Science and Engineering
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Employment

Apr. 2025–Present **Assistant Professor**
College of Science and Engineering, Ritumeikan 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

2025 AIST President Award 2024 (Special Contribution)
"Contribution to National Earthquake Disaster Prevention Measures: Response to the 2024 Noto Peninsula Earthquake"

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	3
Total	**7**

2025 *Shiina, T., H. Horikawa, **Y. Sawaki**, K. Sagae, and K. Imanishi (2023). Aftershock distribution of the 2024 Noto Peninsula Earthquake, Japan, determined using a 3D velocity structure and uncertainty quantification. *Earth, Planets and Space*, 77, 94. doi: 10.1186/s40623-025-02227-4

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

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

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

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

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

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

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

2025 *Laboratory Work in Earth Science* (team-taught)
College of Science and Engineering, Ritsumeikan University

2025 *Thesis* (team-taught)
College of Science and Engineering, Ritsumeikan University

2021 *Experiments on Earth Science* (as a teaching assistant)
Institute for Liberal Arts and Sciences, Kyoto University