

Ryo Okuwaki

Geological Survey of Japan,
National Institute of Advanced Industrial Science and Technology (AIST)
1-1-1 Higashi, Tsukuba, Ibaraki 305-8567 Japan
Website: <https://rokuwaki.github.io>
Email: r-okuwaki@aist.go.jp
Email-alt: rokuwaki@gmail.com

Education	Ph.D. (Science), University of Tsukuba	03/2019
	M.Sc. (Science), University of Tsukuba	03/2016
	B.Sc. (Science), University of Tsukuba	03/2014
Employment	Research Fellow (PD) Japan Society for the Promotion of Science Geological Survey of Japan, AIST / Mentor: Takahiko Uchide	04/2019–Present
	Research Fellow (DC1) Japan Society for the Promotion of Science University of Tsukuba / Mentor: Yuji Yagi	04/2016–03/2019
Grant	Grant-in-Aid for JSPS Fellows Rupture evolution during the mega and large earthquakes resolved by multi-scale source analyses Budget amount: 4,420,000 JPY (Direct cost: 3,400,000 JPY, Indirect cost: 1,020,000 JPY)	2019–2022
	Grant-in-Aid for JSPS Fellows Irregular rupture evolution during the large/great earthquakes: resolved by high-frequency radiation sources and co-seismic slip distribution (16J00298) Budget amount: 2,500,000 JPY (Direct cost: 2,500,000 JPY, Indirect cost: 0 JPY)	2016–2019
	Young Researcher Travel Support 10th ACES (APEC Cooperation for Earthquake Science) International Workshop, Awaji Island Japan, ACES	2018
	Travel Grant The 3rd international summer school on Earthquake Science, Lake-Yamanaka Japan, Earthquake Research Institute of the University of Tokyo and Southern California Earthquake Center	2015
	Travel Grant The 2014 VISES Summer School, Oxnard CA, Southern California Earthquake Center and Earthquake Research Institute of the University of Tokyo	2014
	Travel Grant The 2014 Annual Meeting of Seismological Society of America, Anchorage Ak, Seismological Society of Japan	2014
	President Prize, University of Tsukuba	2019
	Outstanding Student Presentation Award, JpGU Meeting 2018	2018
Award	Outstanding reviewer, Earth and Planetary Science Letters	2018
	Best Student Award, Doctoral Program in Earth Science Evolution, University of Tsukuba	2017
	Outstanding Student Presentation Award, JpGU-AGU Joint Meeting 2017	2017
	Best Poster Presentation Award, Tsukuba Global Science Week 2015	2015
	Outstanding Student Presentation Awards, Seismol. Society of Japan 2014 Fall Meeting	2014
	Outstanding Student Award (Provost Prize), University of Tsukuba	2014
Service	Journal referee (publons)	
	Earth and Planetary Science Letters	

Earth, Planets and Space
 Journal of Asian Earth Sciences
 Journal of Geophysical Research - Solid Earth
 Pure and Applied Geophysics
 Tectonophysics

Conference convener

- Co-convener 2019
 with Saeko Kita, Tomohiro Ohuchi, and Marcel Thielmann
 JpGU Meeting 2019, S-CG50: Intralab and intraplate earthquakes
- Primary convener 2018
 with Wenyuan Fan, Valère Lambert, and Zacharie Duputel
 AGU Fall Meeting 2018, S006: Earthquake Source Physics: Unified perspectives from Kinematic Source Imaging, Physics-based Modeling, Laboratory Experiments, and Earthquake Geology

Visiting appt. 09/2016–10/2016
 Uuniversity of California, Los Angeles
 Lingsen Meng

Invited talk 2018
 JpGU Meeting 2018, Session: Intralab and intraplate earthquake
2015
 The 3rd international summer school on Earthquake Science

Research interest Geophysics
 Earthquake Seismology

Language Japanese (Mother tongue), English (Professional working proficiency)
 Fortran, Python, matplotlib, GMT, SAC, UNIX utilities

Affiliated society American Geophysical Union (AGU), Japan Geoscience Union (JpGU), Seismological Society of America (SSA), Seismological Society of Japan (SSJ), Southern California Earthquake Center (SCEC)

Publication 13 peer-reviewed articles published
 Total citations: 355 (Google Scholar), 254 (Web of Science), 268 (Scopus)
 h-index: 8 (Google Scholar), 7 (Web of Science), 8 (Scopus)

13. **Okuwaki, R.**, Kasahara, A., Yagi, Y., Hirano, S., & Fukahata, Y., Backprojection to image slip, *Geophysical Journal International*, 216, 1529–1537, March 2019.
 doi:10.1093/gji/ggy505
12. Aránguiz, R., Urra, L., **Okuwaki, R.**, & Yagi, Y., Development and application of a tsunami fragility curve of the 2015 tsunami in Coquimbo, Chile, *Natural Hazards and Earth System Sciences*, 18, 2143–2160, August 2018.
 doi:10.5194/nhess-18-2143-2018
11. **Okuwaki, R.**, & Yagi, Y., Role of geometric barriers in irregular-rupture evolution during the 2008 Wenchuan earthquake, *Geophysical Journal International*, 212, 1657–1664, March 2018.
 doi:10.1093/gji/ggx502
10. **Okuwaki, R.**, & Yagi, Y., Rupture Process During the Mw 8.1 2017 Chiapas Mexico Earthquake: Shallow Intraplate Normal Faulting by Slab Bending, *Geophysical Research Letters*, 44, 11816–11823, December 2017.
 doi:10.1002/2017GL075956
9. Miyakawa, A., Sumita, T., Okubo, Y., **Okuwaki, R.**, Otsubo, M., Uesawa, S., & Yagi, Y., Volcanic magma reservoir imaged as a low-density body beneath Aso volcano that terminated the 2016 Kumamoto earthquake rupture, *Earth, Planets and Space*, 68, 9 pages, December 2016.
 doi:10.1186/s40623-016-0582-2

8. Yagi, Y., **Okuwaki, R.**, Enescu, B., Kasahara, A., Miyakawa, A., & Otsubo, M., Rupture process of the 2016 Kumamoto earthquake in relation to the thermal structure around Aso volcano, *Earth, Planets and Space*, 68, 6 pages, July 2016.
doi:10.1186/s40623-016-0492-3
7. **Okuwaki, R.**, Yagi, Y., Aránguiz, R., González, J., & González, G., Rupture Process During the 2015 Illapel, Chile Earthquake: Zigzag-Along-Dip Rupture Episodes, *Pure and Applied Geophysics*, 173, 1011–1020, April 2016.
doi:10.1007/s00024-016-1271-6
6. Mai, P. M., Schorlemmer, D., Page, M., Ampuero, J., Asano, K., Causse, M., Custodio, S., Fan, W., Festa, G., Galis, M., Gallovic, F., Imperatori, W., Käser, M., Malytsky, D., **Okuwaki, R.**, Pollitz, F., Passone, L., Razafindrakoto, H. N. T., Sekiguchi, H., Song, S. G., Somala, S. N., Thingbaijam, K. K. S., Twardzik, C., van Driel, M., Vyas, J. C., Wang, R., Yagi, Y., & Zielke, O., The Earthquake- Source Inversion Validation (SIV) Project, *Seismological Research Letters*, 87, 690–708, April 2016.
doi:10.1785/0220150231
5. Aránguiz, R., González, G., González, J., Catalán, P. A., Cienfuegos, R., Yagi, Y., **Okuwaki, R.**, Urrea, L., Contreras, K., Del Rio, I., & Rojas, C., The 16 September 2015 Chile Tsunami from the Post-Tsunami Survey and Numerical Modeling Perspectives, *Pure and Applied Geophysics*, 173, 333–348, February 2016.
doi:10.1007/s00024-015-1225-4
4. Yagi, Y., & **Okuwaki, R.**, Integrated seismic source model of the 2015 Gorkha, Nepal, earthquake, *Geophysical Research Letters*, 42, 6229–6235, August 2015.
doi:10.1002/2015GL064995
3. Yagi, Y., **Okuwaki, R.**, Enescu, B., & Fukahata, Y., Unusual low-angle normal fault earthquakes after the 2011 Tohoku-oki megathrust earthquake, *Earth, Planets and Space*, 67, 7 pages, June 2015.
doi:10.1186/s40623-015-0271-6
2. **Okuwaki, R.**, Yagi, Y., & Hirano, S., Relationship between High-frequency Radiation and Asperity Ruptures, Revealed by Hybrid Back-projection with a Non-planar Fault Model, *Scientific Reports*, 4, 6 pages, November 2014.
doi:10.1038/srep07120
1. Yagi, Y., **Okuwaki, R.**, Enescu, B., Hirano, S., Yamagami, Y., Endo, S., & Komoro, T., Rupture process of the 2014 Iquique Chile earthquake in relation with the foreshock activity, *Geophysical Research Letters*, 41, 4201–4206, June 2014.
doi:10.1002/2014GL060274