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Research Interests

Observational earthquake seismology; Earthquake source modeling; Seismicity analysis; Seismotectonics

Education

Ph.D. in Earth System Science, Taiwan International Ph.D. Graduate Program for Earth System Science (TIGP-ESS), Academia Sinica & National Central University, Taiwan (2022)

Bachelor in Geophysics, STMKG-BMKG, Indonesia (2016)

Publications

Bansal, A. R., Yao, D., Peng, Z., & **Sianipar, D.** (2016). Isolated regions of remote triggering in South/Southeast Asia following the 2012 M_W 8.6 Indian Ocean earthquake. *Geophysical Research Letters*, 43(20), 10-654. <https://doi.org/10.1002/2016GL069955>

Ye, L., Kanamori, H., Rivera, L., Lay, T., Zhou, Y., **Sianipar, D.**, & Satake, K. (2020). The 22 December 2018 tsunami from flank collapse of Anak Krakatau volcano during eruption. *Science Advances*, 6(3), eaaz1377. <https://doi.org/10.1126/sciadv.aaz1377>

Sianipar, D., Daryono, D., Halauwet, Y., Ulfiana, E., Sipayung, R., Daniarsyad, G., Heryandoko, N., Prasetyo, R. A., Serhalawan, Y., & Karnawati, D. (2022). Intense foreshock swarm preceding the 2019 M_W 6.5 Ambon (Seram, Indonesia) earthquake and its implication for the earthquake nucleation process. *Physics of the Earth and Planetary Interiors*, 322, 106828. <https://doi.org/10.1016/j.pepi.2021.106828>

Sianipar, D., Huang, B-S., Ma, K-F., Hsieh, M-C., Chen, P-F., & Daryono, D. (2022). Similarities in the rupture process and cascading asperities between neighboring fault patches and seismic implications: The 2002-2009 Sumbawa (Indonesia) earthquakes with moment magnitudes of 6.2-6.6. *Journal of Asian Earth Sciences*, 229, 105167. <https://doi.org/10.1016/j.jseaes.2022.105167>