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### 1. Education

- **Doctor of Science** in Geology, Graduate School of Science, Tohoku University, Japan, 2001
- **Master of Science** in Geology, Graduate School of Science, Tohoku University, Japan, 1998
- **Bachelor of Science** in Geoscience, Department of Geoscience, Shizuoka University, Japan, 1996

### 2. Books

- 楠城一嘉, 尾池和夫, 織原義明, 鴨川仁, 草野かおる, 小山真人, 長尾年恭, 吉本充宏, 地震と火山と防災のはなし, 成山堂書店, <https://www.seizando.co.jp/book/10541/>, ISBN: 9784425514915, 2022.

### 3. Journal Articles

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- K. Z. Nanjo, Y. Yamamoto, K. Ariyoshi, H. Horikawa, S. Yada, N. Takahashi, Earthquake detection capacity of the Dense Oceanfloor Network system for Earthquakes and Tsunamis (DONET), *Journal of Seismology*, <https://doi.org/10.48550/arXiv.2307.15281>, <https://doi.org/10.21203/rs.3.rs-3375761/v1>, 2024 (revised).
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- K. Z. Nanjo, J. Izutsu, Y. Orihara, M. Kamogawa, and T. Nagao, Changes in seismicity pattern due to the 2016 Kumamoto earthquakes identify a highly stressed area on the Hinagu fault zone, *Geophysical Research Letters*, 46(16), 9489–9496, DOI: 10.1029/2019GL083463, 2019.
- J. Izutsu, K. Z. Nanjo, M. Kamogawa, Y. Orihara, and T. Nagao, Visualization of geophysical data by Digital Earth for earthquake prediction, *Bulletin of Institute of Oceanic Research & Development, Tokai University*, 41, 1–15, 2019 (in Japanese with English abstract).
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- K. Z. Nanjo and A. Yoshida, A b map implying the first eastern rupture of the Nankai Trough earthquakes, *Nature Communications*, 9, 1117, DOI: 10.1038/s41467-018-03514-3, 2018.
- D. Schorlemmer, N. Hirata, Y. Ishigaki, K. Nanjo, H. Tsuruoka, T. Beutin, and F. Euchner, Earthquake detection probabilities in Japan, *Bulletin of the Seismological Society of America*, 108(2), 702–717, DOI: 10.1785/0120170110, 2018.
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- K. Kasahara, S. Sakai, Y. Morita, N. Hirata, H. Tsuruoka, S. Nakagawa, K. Z. Nanjo, and K. Obara, Development of the Metropolitan Seismic Observation network (MeSO-net) for detection of mega-thrust beneath Tokyo Metropolitan area, *Bulletin of the Earthquake Research Institute, University of Tokyo*, 84, 71–88, 2009 (in Japanese with English abstract).
- Y. Nishiyama, K. Z. Nanjo, and K. Yamasaki, Geometrical minimum units of fracture patterns in two-dimensional space: Lattice and discrete Walsh functions, *Physica A*, 387(25), 6252–6262, DOI: 10.1016/j.physa.2008.07.014, 2008.
- K. Z. Nanjo, Rheology based on damage mechanics: Toward a new view of modeling the upper crustal deformation, *Zisin (Journal of the Seismological Society of Japan. 2nd ser.)*, 59(3), 223–235, DOI: 10.4294/zisin.59.223, 2007 (in Japanese with English abstract).
- K. Z. Nanjo, B. Enescu, R. Shcherbakov, D. L. Turcotte, I. Takaki, and Y. Ogata, Decay of aftershock activity for Japanese earthquakes, *Journal of Geophysical Research*, 112(B08), B08309, DOI: 10.1029/2006JB004754, 2007.
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  - K. Nanjo and H. Nagahama, Fractal properties of spatial distributions of aftershocks and active faults, *Chaos, Solitons and Fractals*, 19(2), 387-397, DOI: 10.1016/S0960-0779(03)00051-1, 2004.
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- 楠城一嘉, 北海道・東北沖の地震サイズ分布( $b$  値)の時空間変化, 地震予知連絡会会報, 111, 2024 (in press).
- 楠城一嘉, 地震学習会「ジオパーク活動で使える地震学 6: 決定論的地震予知から確率論的地震予測への道のり」参加報告, 地震学会ニュースレター, 75(5), NL-5-21, 2023.
- 楠城一嘉,  $b$  値にもとづく大地震発生予測のモデルのレビュー, 地震予知連絡会会報, 105, 489–492, 2021.
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- 楠城一嘉, 小さな地震が大地震を探るカギ? – カリフォルニアの直下型大地震の解析から異常をとらえ、防災につなげる, *academist journal*, <https://academist-cf.com/journal/?p=14310>, 2020.
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- 楠城一嘉, 国際交流から改めて知ること —白金台ロッジの交流促進行事を開催—, 東京大学学内広報, 1420, 11, 2011.
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#### 4. Presentations in International Conferences etc. (invited only)

- K. Nanjo and A. Yoshida, A  $b$ -value map and implication of the first eastern rupture of the Nankai Trough earthquakes (SE06–30–39–A012), AOGS 15th Annual Meeting, Hawaii Convention Centre, Honolulu, Hawaii (USA), 3–8 June 2018.
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