

# List of scientific papers and meeting presentations

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- *Peer-reviewed papers (ISI Journals)*

1. Zheng, Y., **Enescu, B.**, Zhuang, J., and C. Yu, Data replenishment of five moderate earthquake sequences in Japan, with semi-automatic cluster selection, *Earthquake Science*, 34, doi: 10.29382/eqs-2021-0030, 2021.
2. Shimojo, K., **Enescu, B.**, Yagi, Y. et al. Nucleation process of the 2011 northern Nagano earthquake from nearby seismic observations, *Scientific Reports*, 11, 8143, doi:10.1038/s41598-021-86837-4, 2021.
3. Borleanu, F., Petrescu, L., **Enescu, B.**, Popa, M., and M. Radulian, The missing craton edge: Crustal structure of the East European Craton beneath the Carpathian Orogen revealed by double-difference tomography, *Global and Planetary Change*, 197, 103390, doi:10.1016/j.gloplacha.2020.103390, 2021.
4. Li, Y., Wang, D., Xu, S., Fang, L., Cheng, Y., Luo, G., Yan, B., **Enescu, B.**, and J. Mori, Thrust and Conjugate Strike-Slip Faults in the 17 June 2018 MJMA 6.1 (□Mw 5.5) Osaka, Japan, Earthquake Sequence, *Seismol. Res. Lett.*, 90(6), 2132–2141. doi:10.1785/0220190122, 2019.
5. Omi, T., Ogata, Y., Shiomi, K., **Enescu, B.**, Sawazaki, K., and K. Aihara, Implementation of a Real-Time System for Automatic Aftershock Forecasting in Japan, *Seismol. Res. Lett.*, 90 (1): 242–250. doi:10.1785/0220180213, 2018.
6. Gulia, L., Rinaldi, A. P., Tormann, T., Vannucci, G., **Enescu, B.**, and S. Wiemer, The effect of a mainshock on the size distribution of the aftershocks, *Geophys. Res. Lett.*, 45, 13,277– 13,287, doi:10.1029/2018GL080619, 2018 (AGU Highlighted paper – Cook, T., How do main shocks affect subsequent earthquakes?, *Eos*, 100, doi:10.1029/2019EO119129, 2019.)
7. Tamaribuchi, K., Y. Yagi, **B. Enescu**, and S. Hirano, Characteristics of foreshock activity inferred from the JMA earthquake catalog, *Earth, Planets and Space*, 70:90, doi:10.1186/s40623-018-0866-92018, 2018.
8. Opris, A. (*supervised student*), **B. Enescu**, Y. Yagi and J. Zhuang, Triggering and decay characteristics of dynamically activated seismicity in Southwest Japan, *Geophys. J. Int.*, 212(2), 1010-1021, doi:10.1093/gji/ggx456, 2018.
9. Saade, M., J.P. Montagner, P. Roux, K. Shiomi, **B. Enescu** and F. Brenguier, Monitoring of seismic anisotropy at the time of the 2008 Iwate-Miyagi (Japan) earthquake, *Geophys. J. Int.*, 211(1), 483-497, doi:10.1093/gji/ggx321, 2017.
10. Marsan, D., M. Bouchon, B. Gardonio, H. Perfettini, A. Socquet, and **B. Enescu**, Change in seismicity along the Japan trench, 1990–2011, and its relationship with seismic coupling, *J. Geophys. Res.*, Solid Earth, 122, 4645–4659, doi:10.1002/2016JB013715, 2017.
11. Zakharova, O., S. Hainzl, D. Lange, and **B. Enescu**, Spatial variations of aftershock parameters and their relation to geodetic slip models for the 2010 Mw8.8 Maule and the 2011 Mw9.0 Tohoku-oki earthquakes, *Pure Appl. Geophys.*, 174(1), 77-102, doi:10.1007/s00024-016-1408-7, 2017.
12. **Enescu, B.**, Shimojo, K., Opris, A., and Y. Yagi, Remote triggering of seismicity at Japanese volcanoes following the 2016 M7.3 Kumamoto earthquake, *Earth, Planets and Space*, 68:165, doi: 10.1186/s40623-016-0539-5, 2016.
13. Omi, T., Y. Ogata, K. Shiomi, **B. Enescu**, K. Sawazaki, and K. Aihara, Automatic aftershock forecasting: A test using real-time seismicity data in Japan, *Bull. Seismol. Soc. Am.*, 106, 2450-2458, doi:10.1785/0120160100, 2016.
14. Yagi, Y., R. Okuwaki, **B. Enescu**, A. Kasahara, A. Miyakawa, and M. Otsubo, Rupture process of the 2016 Kumamoto earthquake in relation to the thermal structure around Aso volcano, *Earth Planets and Space*, 68:118, doi:10.1186/s40623-016-0492-3, 2016.
15. Tormann, T., S. Wiemer, **B. Enescu**, and J. Woessner, Normalized rupture potential for small and large earthquakes along the Pacific Plate off Japan, *Geophys. Res. Lett.*, 43, 7468–7477, doi:10.1002/2016GL069309, 2016.
16. Kasahara, A., Yagi, Y., and **B. Enescu**, etas\_solve: A robust program to estimate the ETAS

- model parameters, *Seismol. Res. Lett.*, 87(5), 1143-1149, doi: 10.1785/0220150240, 2016.
17. Reverso, T., D. Marsan, A. Helmstetter, and **B. Enescu**, Background seismicity in Boso Peninsula, Japan: Long-term acceleration, and relationship with slow slip events, *Geophys. Res. Lett.*, 43, 5671–5679, doi:10.1002/2016GL068524, 2016.
  18. Tormann, T., **B. Enescu**, J. Woessner, and S. Wiemer, Reply to ‘Tohoku rupture reloaded?’, *Nature Geoscience*, 9, 183-185, doi:10.1038/ngeo2650, 2016.
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  20. Gardonio, B., D. Marsan, O. Lengliné, **B. Enescu**, M. Bouchon, and J.-L. Got, Changes in seismicity and stress loading on subduction faults in the Kanto region, Japan, 2011 - 2014, *J. Geophys. Res.*, 120, doi:10.1002/2014JB011798, 2015.
  21. Cattania, C., S. Hainzl, L. Wang, **B. Enescu**, and F. Roth, Aftershock triggering by postseismic stresses: a study based on Coulomb-Rate-and-State models, *J. Geophys. Res.*, doi: 10.1002/2014JB011500, 2015.
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  23. Shimojo, K. (*supervised student*), **B. Enescu**, Y. Yagi, and T. Takeda, Fluid-driven seismicity activation in northern Nagano region after the 2011 M9.0 Tohoku-oki earthquake, *Geophys. Res. Lett.*, 41, 7524–7531, doi:10.1002/2014GL061763, 2014.
  24. Cattania, C., S. Hainzl, L. Wang, F. Roth, and **B. Enescu**, Propagation of Coulomb stress uncertainties in physics-based aftershock models, *J. Geophys. Res.*, 119, 7846–7864, doi:10.1002/2014JB011183, 2014.
  25. Yagi, Y., R. Okuwaki, **B. Enescu**, S. Hirano, Y. Yamagami, S. Endo, and T. Komoro, Rupture process of the 2014 Iquique Chile Earthquake in relation with the foreshock activity, *Geophys. Res. Lett.*, 41, 4201–4206, doi:10.1002/2014GL060274, 2014.
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  30. Ueno, T., T. Saito, K. Shiomi, **B. Enescu**, H. Hirose, and K. Obara, Fractional seismic velocity change related to magma intrusions during earthquake swarms in the eastern Izu peninsula, central Japan, *Journal of Geophysical Research: Solid Earth*, **117**, B12305, doi:10.1029/2012JB009580, 2012.
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  36. Woessner, J., Hainzl, S., Marzocchi, W., Werner, M.J., Lombardi, A.M., Catalli, F., **Enescu, B.**, Cocco, M., Gerstenberger, M., and S. Wiemer, A retrospective comparative test for the 1992 Landers sequence, *J. Geophys. Res.*, 116, B05305, doi:10.1029/2010JB007846, 2011.
  37. Toda, S., and **B. Enescu**, Rate/state Coulomb stress transfer model for the CSEP Japan seismicity forecast, *Earth Planets Space*, doi:10.5047/eps.2011.01.004, 63, 171-185, 2011.
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  39. Koulakov, I., Zaharia, B., **Enescu, B.**, Radulian, M., Popa, M., Parolai, S., and J. Zschau, Delamination or slab detachment beneath Vrancea? New arguments from local earthquake tomography, *Geochem. Geophys. Geosyst. (G<sup>3</sup>)*, 11, 3, Q03002, doi:10.1029/2009GC002811, 2010.
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  51. Kato, A., and The Research Team of aftershock observations for the 2004 mid-Niigata Prefecture earthquake (88 authors including **B. Enescu**), High-resolution aftershock

observations in the source region of the 2004 mid-Niigata Prefecture earthquake, *Earth Planets Space*, 59, 923-928, 2007.

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- *Book chapters (with peer-review)*

63. 八木 勇治, 藤野 滋弘, エネスク ボグダン, 地震現象と津波現象第 (第 1 章) in 「巨大地震による複合災害 — 発生メカニズム・被害・都市や地域の復興 —」, 編著: 八木 勇治・大澤義明, 発行所: 筑波大学出版会, 発売所: 丸善出版株式会社, ISBN978-4-904074-38-1 C3044, 2015. (Yagi, Y., Fujino, S., and **B. Enescu**, Earthquakes and Tsunami (Chapter 1) in “Complex disasters following megathrust earthquakes – Mechanism, Damage, Local and Regional Reconstruction –“, Editors: Yuji Yagi and Osawa Yoshiaki, Tsukuba University Publishing House & Maruzen Publishing Co. Ltd., ISBN978-4-904074-38-1 C3044, 2015.)

- *Peer-reviewed papers (other Journals)*

64. Aranha, C., Y. C. Lavinhas, M. Ladeira and **B. Enescu**, Is it possible to generate good earthquake models using Genetic Algorithms?, *Proceedings of the International Conference on Evolutionary Computation Theory and Applications (IJCCI 2014), Rome, Italy*, 49-58, doi: 10.5220/0005072600490058, 2014.
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- *Papers in internal Annuals, Bulletins, Reports, Proceedings (non peer-reviewed)*

71. **Enescu, B.**, Shibutani, T., Ito, K., Ohmi S., and H. Wada, Seismic activity and one-dimensional velocity structure along the Atotsugawa fault, from precise hypocenter relocations, *Earth Evolution Sciences*, 9, 5 -14, 2015.
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- *Books (non peer-reviewed)*

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