

СПИСОК ЛИТЕРАТУРЫ

1. Лунева М.Н., Ли Д.М. Анизотропия среды и временные вариации азимута поляризации быстрой S-волны под Южной Камчаткой в период 1993-2002 гг. // *Физика Земли*. 2006. №. 4. С. 40–56.
2. Лунева М.Н., Пупатенко В.В. Расщепление ScS и S-волн от глубокофокусного Охотского землетрясения 2013.05.24, Mw 8.3 и его сильных афтершоков // *Тихоокеан. геология*. 2014. Т. 28, №. 6. С. 96–106.
3. Bowman J.R., Ando M. Shear-wave splitting in the upper-mantle wedge above the Tonga subduction zone // *Geophys. J. RAS* 1987. V. 88. P. 25–41.
4. Conrad C.P., Behn M.D., Silver P.G. Global mantle flow and the development of seismic anisotropy: differences between the oceanic and continental upper mantle // *J. Geophys. Res.* 2007. V. 112. B07317. doi:10.1029/2006JB004608.
5. Crotwell H.P., Owens T.J., Ritsema J. The TauP Toolkit: Flexible seismic travel-time and raypath utilities // *Seismol. Res. Lett.* 1999. V. 70. P. 154–170
6. Faccenda M. Water in the slab: A trilogy // *Tectonophysics*. 2014. V. 614. P. 1–30.
7. Faccenda M. Mid-mantle seismic anisotropy around subduction zones // *Phys. Earth Planet. Inter.* 2014. V. 227. P. 1–19.
8. Fischer K.M., Fouch M.J., Wiens D.A., Boettcher M.S. Anisotropy and flow in Pacific subduction zone back-arcs // *Pure Appl. Geophys.* 1998. V. 151. P. 463–475.
9. Fouch M.J., Fischer K.M. Mantle anisotropy beneath northwest Pacific plate // *J. Geophys. Res.* 1996. V. 101. N. B7. P. 15987–16002.
10. Holtzman B.K., Kohlstedt D.L., Zimmerman M.E. et al. Melt segregation and strain partitioning: implications for seismic anisotropy and mantle flow // *Sci.* 2003. N 301. P. 1227–1230.
11. Jiang G., Zhao D., Zhang G. Detection of metastable olivine wedge in the western Pacific slab and its geodynamic implications // *Phys. Earth Planet. Inter.* 2015. V. 238. P. 1–7.
12. Kaminski E., Ribe N.M. A kinematic model for recrystallization and texture development in olivine polycrystals // *Earth Planet. Sci. Lett.* 2001. V. 89. P. 253–267.
13. Kaminski E., Ribe N.M. Time scales for the evolution of seismic anisotropy in mantle flow // *Gechem. Geophys. Geosyst.* 2002. V. 3. N. 1. 10.1029/2001GC000222.
14. Karato S., Jung H., Katayama I., Skemer P. Geodynamic significance of seismic anisotropy of the upper mantle: new insight from laboratory study // *Ann. Rev. Earth. Planet. Sci.* 2008. V. 36. P. 59–95.
15. Kennett B.L.N. Engdahl E.R. Traveltimes for global earthquake location and phase identification // *Geophys. J. Int.* 1991. V. 105. P. 429–465.
16. Konstantinovskaya E.A. Arc-continent collision and subduction reversal in the Cenozoic evolution of the Northwest Pacific: An example from Kamchatka (NE Russia) // *Tectonophysics*. 2001. V. 333. P. 75–94. doi:10.1016/S0040-1951(00)00268-7.
17. Levin V., Droznin D., Park J., Gordeev E. Detailed mapping of seismic anisotropy with local shear waves in southeastern Kamchatka // *Geophys. J. Int.* 2004. V. 158. P. 1009–1023.
18. Litasov K.D., Shatskiy A., Ohtani E. Melting and subsolidus phase relations in peridotite and eclogite systems with reduced C-O-H fluid at 3-16 GPa // *Earth. Planet. Sci. Lett.* 2014. V. 391. P. 87–99.
19. Liu K.H., Gao S.S. Making reliable shear-wave splitting measurements // *Bull. Seismol. Soc. America*. 2013. V. 103, N. 5. P. 2680–2693. doi: 10.1785/0120120355
20. Long M. D., Becker T.W. Mantle dynamics and seismic anisotropy // *Earth Planet. Sci. Lett.* 2010. V. 297. P. 341–354.
21. Long M. D., Wirth E.A. Mantle flow in subduction systems: The mantle wedge flow field and implications for wedge processes // *J. Geophys. Res. Solid Earth*. 2013. V. 118. doi:10.1002/jgrb.50063.
22. Luneva M.N., Lee J.M. Shear wave splitting beneath South Kamchatka during 3-year period associated with the 1997 Kronotsky Earthquake // *Tectonophysics*. 2003. V. 374. P. 135–161.
23. Park J., Levin V., Lees J., Brandon M.T., Peyton V., Gordeev E., Ozerov A. A dangling slab, amplified arc volcanism, mantle flow and seismic anisotropy near the Kamchatka plate corner, Plate Boundary Zones / S. Stein, J. Freymueller, eds. // *AGU Geodynamics Series*. N. 30. AGU, Washington DC, 2002. P. 295–324,
24. Peyton V., Levin V., Park J., Brandon M.T., Lees J., Gordeev E., Ozerov A. Mantle flow at a slab edge: seismic anisotropy in the Kamchatka region // *Geophys. Res. Lett.* 2001. V. 28. P. 379–382.
25. Sandvol E., Hearn T. Bootstrapping shear-wave splitting errors // *Bull. Seismol. Soc.* 1994. V. 84. P. 1971–1977.
26. Schellart W.P., Jessell M.W., Lister G.S. Asymmetric deformation in the backarc region of the Kuril arc, northwest Pacific: New insights from analogue modeling // *Tectonics*. 2003. V. 22, N 5. P. 1047–1063, doi:10.1029/2002TC001473.
27. Schellart W.P., Stegman D.R., Freeman J. Global trench migration velocities and slab migration induced upper mantle volume fluxes: Constraints to find an Earth reference frame based on minimizing viscous dissipation // *Earth-Sci. Rev.* 2008. V. 88. P. 118–144.
28. Schellart W.P., Stegman D.R., Farrington R.J., Moresi L. Influence of lateral slab edge distance on plate velocity, trench velocity, and subduction partitioning // *J. Geophys. Res.* 2011. V. 116. B10408. doi:10.1029/2011JB008535.

29. Schellart W.P., Moresi L. A new driving mechanism for backarc extension and backarc shortening through slab sinking induced toroidal and poloidal mantle flow: Results from dynamic subduction models with an overriding plate // *J. Geophys. Res. Solid Earth*. 2013. 118. doi:10.1002/jgrb.50173.
30. Silver P., Chan W. Shear wave splitting and subcontinental mantle deformation // *J. Geophys. Res.* 1991. V. 96. N.10. P. 16429–16454.
31. Vecsey L., Plomerova J., Babuska V. Shear-wave splitting measurements: problems and solutions // *Tectonophysics*. 2008. V. 462. P. 178–196.
32. Wei W., Zhao D., Xu J., Wei F., Liu G. *P* and *S* wave tomography and anisotropy in Northwest Pacific and East Asia: Constraints on stagnant slab and intraplate volcanism // *J. Geophys. Res. Solid Earth*. 2015. V. 120. P. 1642–1666. doi:10.1002/2014JB011254.
33. Wirth E., Long M. D. Frequency-dependent shear wave splitting beneath the Japan and Izu-Bonin subduction zones // *Phys. Earth Planet. Inter.* 2010. V. 181. P. 141–154.
34. Wüstefeld A., Bokelmann G., Zaroli C., Barruol G. Splitlab: A shear-wave splitting environment in matlab // *Comput. Geosci.* 2008 V. V. 34. P. 515–528. doi:10.1016/j.cageo.2007.08.002.
35. Zhan Z., Kanamori H., Tsai V.C., Helmberger D.V., Wei S. Rupture complexity of the 1994 Bolivia and 2013 Sea of Okhotsk deep earthquakes // *Earth. Planet. Sci. Lett.* 2014. V. 385. P. 89–96.