

СПИСОК ЛИТЕРАТУРЫ

1. Кожурин А.И. Активная геодинамика северо-западного сектора Тихоокеанского тектонического пояса (по данным изучения активных разломов): Автoref. д-ра. геол.-минер. наук. 2013.
2. Уломов В.И., Богданов М.И., Трифонов В.Г., Гусев А.А., Гу-сев Г.С., Акатова К.Н., Аптикаев Ф.Ф., Данилова Т.И., Кожурин А.И., Медведева Н.С., Никонов А.А., Перетокин С.А., Пустовитенко Б.Г., Стром А.Л. Общее сейсмическое районирование территории Российской Федерации. Пояснительная записка к комплекту карт ОСР-2016 и список населенных пунктов, расположенных в сейсмоопасных зонах // Инженерные изыскания. 2016. № 7. С. 49–121.
3. Abramson L.W., Lee T.S., Sharma S., Boyce G.M. Slope Stability and Stabilization Methods (2nd Edition). John Wiley & Sons, Inc., New York. 2001.
4. Baker R., Shukha R., Operstein V., Frydman S. Stability Charts for Pseudo-Static Slope Stability Analysis // Soil Dyn. Earthq. Eng. 2006. V. 26. P. 813–823.
<https://doi.org/10.1016/j.soildyn.2006.01.023>.
5. Blake T.F., Hollingsworth R.A., Stewart J.P. Recommended Procedures for Implementation of DGM Special Publication 117 Guidelines for Analyzing and Mitigating Landslide Hazards in California. ASCE and Southern California Earthquake Center publication. 2002. Available online: <http://www-scec.usc.edu/resources/catalog/LandslideProceduresJune02.pdf> (accessed on 27 March 2024).
6. Burgess J., Fenton G.A., Griffiths D.V. Probabilistic Seismic Slope Stability Analysis and Design // Can. Geotech. J. 2019. V. 56. P. 1979–1998. <https://doi.org/10.1139/cgj-2017-0544>.
7. Cornell C.A. Engineering Seismic Risk Analysis // Bull. Seismol. Soc. Am. 1968. V. 58. P. 1583–1606.
<https://doi.org/10.1785/BSSA0580051583>.
8. Cui F., Xiong C., Wu Q., Xu C., Li N., Wu N., Cui L. Dynamic response of the Daguangbao landslide triggered by the Wenchuan earthquake with a composite hypocenter // Geomatics, Nat. Hazards Risk. 2021. V. 12. Iss. 1. P. 2170–2193.
<https://doi.org/10.1080/19475705.2021.1944916>.
9. Del Gaudio V., Pierri P., Wasowski J. An Approach to Time-Probabilistic Evaluation of Seismically Induced Landslide Hazard // Bull. Seismol. Soc. Am. 2003. V. 93. P. 557–569. <https://doi.org/10.1785/0120020016>.
10. Feng T., Meng, L. A High-Frequency Distance Metric in Ground-Motion Prediction Equations Based on Seismic Array Backprojections // Geophys. Res. Lett. 2018. V. 45. Iss. 21. P. 11, 611–612, 621. <https://doi.org/10.1029/2018GL078930>.
11. Gusev A.A. Descriptive Statistical Model of Earthquake Source Radiation and Its Application to an Estimation of Short-Period Strong Motion // Geophys. J. Int. 1983. V. 74. P. 787–808. <https://doi.org/10.1111/j.1365-246X.1983.tb01904.x>.
12. Hsieh S.Y., Lee C.T. Empirical Estimation of the Newmark Displacement from the Arias Intensity and Critical Acceleration // Eng. Geol. 2011. V. 122. P. 34–42.
<https://doi.org/10.1016/j.enggeo.2010.12.006>.
13. Jibson R.W. Predicting earthquake-induced landslide displacement using Newmark's sliding block analysis // Transportation Res. Record. 1993. V. 1411. P. 9–17.
14. Jibson R.W., Harp E.L., Michael J.A. A Method for Producing Digital Probabilistic Seismic Landslide Hazard Maps, an Example from the Los Angeles, California, Area. 1998.
<https://doi.org/10.3133/ofr98113>.
15. Jibson R.W., Harp E.L., Michael J.A. A Method for Producing Digital Probabilistic Seismic Landslide Hazard Maps // Eng. Geol. 2000. V. 58. P. 271–289.
[https://doi.org/10.1016/S0013-7952\(00\)00039-9](https://doi.org/10.1016/S0013-7952(00)00039-9).
16. Jibson R.W. Regression Models for Estimating Coseismic Landslide Displacement // Eng. Geol. 2007. V. 91. P. 209–218.
<https://doi.org/https://doi.org/10.1016/j.enggeo.2007.01.013>.
17. Jibson R.W., Michael J.A. Maps Showing Seismic Landslide Hazards in Anchorage, Alaska // USGS Sci. Investig. Map 3077. 2009. P. 1–11.
18. Jibson R.W. Methods for assessing the stability of slopes during earthquakes – A retrospective. Eng. Geol. 2011. V. 122. Iss. 1-2. P. 43–50. <https://doi.org/10.1016/j.enggeo.2010.09.017>.
19. Kang K., Zerkal O.V., Fomenko I.K., Pavlenko O.V. The Accelerogram-Based Probabilistic Analysis of Slope Stability // Soil Mech. Found. Eng. 2019. V. 56. P. 71–76.
<https://doi.org/10.1007/s11204-019-09572-z>.
20. Khalaj S., BahooToroody F., Mahdi Abaei M., BahooToroody A., De Carlo F., Abbassi R. A Methodology for Uncertainty Analysis of Landslides Triggered by an Earthquake // Comput. Geotech. 2020. V. 117. 103262.
<https://doi.org/10.1016/j.comgeo.2019.103262>.
21. Keefer D.K., Wilson R.C. Predicting Earthquake-Induced Landslides, with Emphasis on Arid and Semi-Arid Environments // Landslides a semi-arid Environ. 1989. V. 2. P. 118–149.
22. Konovalov A., Gensiorovskiy Y., Lobkina V., Muzychenko A., Stepnova Y., Muzychenko L., Stepnov A., Mikhalyov M. Earthquake-Induced Landslide Risk Assessment: An Example from Sakhalin Island, Russia // Geosciences. 2019. V. 9.

23. Konovalov A., Gensiorovskiy Y., Stepnov A. Hazard-Consistent Earthquake Scenario Selection for Seismic Slope Stability Assessment // *Sustainability*. 2020. V. 12.
24. Konovalov A.V., Stepnov A.A. Next Generation Detailed Seismic Zoning Maps for Southern Sakhalin Island // *Dokl. Earth Sci.* 2020. V. 494. P. 726–729.
<https://doi.org/10.1134/S1028334X2009010X>.
25. Konovalov A., Orlin I., Stepnov A., Stepnova Y. Physically Based and Empirical Ground Motion Prediction Equations for Multiple Intensity Measures (PGA, PGV, Ia, FIV3, CII, and Maximum Fourier Acceleration Spectra) on Sakhalin Island // *Geosci.* 2023. V. 13.
<https://doi.org/10.3390/geosciences13070201>.
26. Kwag S., Hahm D. Development of an earthquake-induced landslide risk assessment approach for nuclear power plants // *Nuclear Eng. Tech.* 2018. V. 50. Iss. 8. P. 1372–1386.
<https://doi.org/10.1016/j.net.2018.07.016>.
27. Lee C.T. Statistical Seismic Landslide Hazard Analysis // An Ex. from Taiwan. 2014. V. 182. P. 201–212.
28. Li L., Chu X. Failure Mechanism and Factor of Safety for Spatially Variable Undrained Soil Slope // *Adv. Civ. Eng.* 2019. 8575439. <https://doi.org/10.1155/2019/8575439>.
29. Li X.J., Xu W.J., Gao M.T. Characteristics of Arias intensity and Newmark displacement of strong ground motion in Lushan earthquake // *Acta Seismologica Sinica*. 2021. V. 43. Iss. 6. P. 768–786. <https://doi.org/10.11939/jass.20200180>.
30. Ma S., Xu C. Assessment of Co-Seismic Landslide Hazard Using the Newmark Model and Statistical Analyses: A Case Study of the 2013 Lushan, China, Mw6.6 Earthquake // *Nat. Hazards*. 2019. V. 96. P. 389–412.
<https://doi.org/10.1007/s11069-018-3548-9>.
31. Martino S., Battaglia S., Delgado J., Esposito C., Martini G., Missori C. Probabilistic Approach to Provide Scenarios of Earthquake-Induced Slope Failures (PARSIFAL) Applied to the Alcoy Basin (South Spain) // *Geosciences*. 2018. V. 8.
32. Newmark N.M. Effects of Earthquakes on Dams and Embankments // *Geotechnique*. 1965. V. 15. P. 139–160.
33. Nowicki Jessee M.A., Hamburger M.W., Allstadt K., Wald D.J., Robeson S.M., Tanyas H., Hearne M., Thompson E.M. A Global Empirical Model for Near-Real-Time Assessment of Seismically Induced Landslides // *J. Geophys. Res. Earth Surf.* 2018. V. 123. P. 1835–1859.
<https://doi.org/https://doi.org/10.1029/2017JF004494>.
34. Pan Q., Leung Y.F., Hsu S. Stochastic seismic slope stability assessment using polynomial chaos expansions combined with relevance vector machine // *Geosci. Frontiers*. V. 12. Iss. 1. P. 405–414. <https://doi.org/10.1016/j.gsf.2020.03.016>.
35. Rathje E.M., Saygili G. Probabilistic Seismic Hazard Analysis for the Sliding Displacement of Slopes: Scalar and Vector Approaches // *J. Geotech. Geoenvironmental Eng.* 2008. V. 134. P. 804–814.
[https://doi.org/10.1061/\(ASCE\)1090-0241\(2008\)134:6\(804\)](https://doi.org/10.1061/(ASCE)1090-0241(2008)134:6(804)).
36. Rathje E.M., Cho Y. Probabilistic assessment of the earthquake-induced displacements of a slope using finite element analysis. Proceedings of the 7th international conference on earthquake geotechnical engineering, Rome, Italy. 2019. P. 209–220.
37. Rollo F., Rampello S. Probabilistic Assessment of Seismic-Induced Slope Displacements: An Application in Italy // *Bull. Earthq. Eng.* 2021. V. 19. P. 4261–4288.
<https://doi.org/10.1007/s10518-021-01138-5>.
38. Romeo R. Seismically Induced Landslide Displacements: A Predictive Model // *Eng. Geol.* 2000. V. 58. P. 337–351.
[https://doi.org/https://doi.org/10.1016/S0013-7952\(00\)00042-9](https://doi.org/https://doi.org/10.1016/S0013-7952(00)00042-9).
39. Somerville P., Irikura K., Graves R., Sawada S., Wald D., Iwasaki Y., Kagawa T., Smith N., Kowada A. Characterizing Crustal Earthquake Slip Models for the Prediction of Strong Ground Motion // *Seismol. Res. Lett.* 1999. V. 70. P. 59–80. <https://doi.org/10.1785/gssrl.70.1.59>.
40. Tang K., Wang J., Li L. A Prediction Method Based on Monte Carlo Simulations for Finite Element Analysis of Soil Medium Considering Spatial Variability in Soil Parameters // *Adv. Mater. Sci. Eng.* 2020. 7064640.
<https://doi.org/10.1155/2020/7064640>.
41. Tanyas H., Rossi M., Alvioli M., van Westen C.J., Marchesini I. A Global Slope Unit-Based Method for the near Real-Time Prediction of Earthquake-Induced Landslides // *Geomorphology* 2019. V. 327. P. 126–146.
<https://doi.org/https://doi.org/10.1016/j.geomorph.2018.10.022>.
42. Uzielli M., Lacasse S., Nadim F., Phoon K.K. Soil Variability Analysis for Geotechnical Practice. 2007.
43. Wang K.L., Lin M.L. Development of shallow seismic landslide potential map based on Newmark's displacement: the case study of Chi-Chi earthquake // *Taiwan Env. Earth Sci.* 2010. V. 60. P. 775–785.
<https://doi.org/10.1007/s12665-009-0215-1>.
44. Wang L., Zhang X., Tinti S. Large deformation dynamic analysis of progressive failure in layered clayey slopes under seismic loading using the particle finite element method // *Acta Geotech.* 2021. V. 16. P. 2435–2448.
<https://doi.org/10.1007/s11440-021-01142-8>.

45. Wang T., Liu J., Shi J., Gao M., Wu S. Probabilistic Seismic Landslide Hazard Assessment: A Case Study in Tianshui, Northwest China // *J. Mt. Sci.* 2020. V. 17. P. 173–190.
<https://doi.org/10.1007/s11629-019-5618-1>.
46. Wieczorek G.F., Wilson R.C., Harp E.L. Earthquakes in San Mateo County California. Investigations Map I-1257-E, scale 1:62 500. Map Showing Slope Stability During U.S. Geological Survey Miscellaneous. 1985. Available online: <https://pubs.usgs.gov/imap/1257e/plate-1.pdf> (accessed on 27 March 2024).
47. Williams J.N., Werner M.J., Goda K., Wedmore L.N.J., De Risi R., Biggs J., Mdala H., Dulanya Z., Fagereng Å., Mphepo F., Chindandali P. Fault-Based Probabilistic Seismic Hazard Analysis in Regions with Low Strain Rates and a Thick Seismogenic Layer: A Case Study from Malawi // *Geophys. J. Int.* 2023. V. 233. P. 2172–2207.
<https://doi.org/10.1093/gji/ggad060>.
48. Yiğit A. Prediction of Amount of Earthquake-Induced Slope Displacement by Using Newmark Method // *Eng. Geol.* 2020. V. 264. 105385. <https://doi.org/10.1016/j.enggeo.2019.105385>.
49. Youd T.L. Ground failure displacement and earthquake damage to buildings: American Society of Civil Engineers Conference on Civil Engineering and Nuclear Power, 2d, Knoxville. Tenn. 1980. V. 2. P. 7-6-2 to 7-6-26.
50. Yuan R., Deng Q., Cunningham D., Han Z., Zhang D., Zhang B. Newmark Displacement Model for Landslides Induced by the 2013 Ms 7.0 Lushan Earthquake, China // *Front. Earth Sci.* 2016. V. 10. P. 740–750.
<https://doi.org/10.1007/s11707-015-0547-y>.