

PEER REPORTS CATALOG

- PEER 2023/02** Stuedlein, A. W., Alemu, B., Evans, T. M., Kramer, S. L., Stewart, J. P., Ulmer, K., & Ziotopoulou, K. (2023). PEER Workshop on Liquefaction Susceptibility, *PEER Report 2023/02*. Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
- PEER 2023/01** Stuedlein, A. W., Dadashiserej, A., and Jana, A. (2023). Models for the Cyclic Resistance of Silts and Evaluation of Cyclic Failure during Subduction Zone Earthquakes, *PEER Report 2023/01*. Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
- PEER 2022/06** Tan, P., Sitar, N. (2022). Parallel Level-Set DEM (LS-DEM) Development and Application to the Study of Deformation and Flow of Granular Media, *PEER Report 2022/06*. Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
- PEER 2022/05** Kinikles, D., McCartney, J. S., (2022). Hyperbolic Hydro-mechanical Model for Seismic Compression Prediction of Unsaturated Soils in the Funicular Regime, *PEER Report 2022/05*. Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
- PEER 2022/04** McCallen D., Petrone F., Esmailzadeh Seylabi, E., Pitarka A., Abrahamson N., Elfass S. (2022). The PEER International Pacific Rim Forum 2021: Regional-Scale Simulation of Earthquake Ground Motions and Infrastructure Response for Performance-Based Earthquake Engineering, *PEER Report No. 2022/04*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA
- PEER 2022/03** Aghagholizadeh M., Makris N. (2022). Moment Resisting Frames Coupled with Rocking Walls Subjected to Earthquakes, *PEER Report No. 2022/03*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA
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- PEER 2021/11** Mosalam K., Kasalanati A. (2021). PEER Annual Report 2020-2021, *PEER Report No. 2021/11*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
- PEER 2021/10** Chang M., Stanton J., Eberhard M. (2021). Seismic performance of column-to-drilled-shaft connections in reinforced concrete bridges, *PEER Report No. 2021/10*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
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- PEER 2021/08** Amiri S.M.A., Moustafa M.A., Sanders D.H. (2021). Seismic design and detailing of bridge columns to account for ground-motion duration, *PEER Report No. 2021/07*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
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- PEER 2021/02** Chen C., Arduino P. (2021). Implementation, verification, and validation of the PM4Sand Model in OpenSees, *PEER Report No. 2021/02*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
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- PEER 2020/24** Reis E. (2020). Seismic performance of a single-family wood-frame houses: comparing analytical and industry catastrophe models, *PEER Report No. 2020/24*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.

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- PEER 2020/18** Schiller B., Hutchinson T.C., Cobeen K. (2020c). Cripple wall small-component test program: Wet specimens II, *PEER Report No. 2020/18*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
- PEER 2020/17** Schiller B., Hutchinson T.C., Cobeen K. (2020b). Cripple wall small-component test program: Dry specimens, *PEER Report No. 2020/17*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
- PEER 2020/16** Schiller B., Hutchinson T.C., Cobeen K. (2020a). Cripple wall small-component test program: Wet specimens I, *PEER Report No. 2020/16*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
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- PEER 2020/08** Mosalam K.M., Kasalanati A. (2020). PEER activities report 2018–2020, *PEER Report No. 2020/08*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
- PEER 2020/07** Gregor N., Addo K., Al Atik L., Boore D.M., Bozorgnia Y., Campbell K.W., Chou B.S.-J., Gülerce Z., Hassani B., Kishida T., Kuehn N., Midorikawa S., Mazzoni S., Parker G.A., Si H., Stewart J.P., Youngs R.R. (2020). Comparison of NGA-Sub ground-motion models, *PEER Report No. 2020/07*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
- PEER 2020/06** Si H., Midorikawa S., Kishida T. (2020). Development of NGA-Sub ground-motion model of 5%-damped pseudo-spectral acceleration based on database for subduction earthquakes in Japan, *PEER Report No. 2020/06*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
- PEER 2020/05** Abrahamson N.A., Bhasin S. (2020). Conditional ground-motion model for peak ground velocity for active crustal regions, *PEER Report No. 2020/05*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
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- PEER 2018/03** Hale C., Abrahamson N.A., Bozorgnia Y. (2018). Probabilistic seismic hazard analysis code verification, *PEER Report No. 2018/03*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
- PEER 2018/02** Abrahamson N.A., Kuehn N., Gülerce Z., Gregor N., Bozorgnia Y., Parker G., Stewart J.P., Chiou B.S.-J., Idriss I.M., Campbell K.W., Youngs R.R. (2018). Update of the BChydro subduction ground-motion model using the NGA-Subduction dataset, *PEER Report No. 2018/02*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
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- PEER 2016/06** Johnson L.A., Rabinovici, Kang G.S., Mahin S.A. (2016). California earthquake early warning system benefit study, *PEER Report No. 2016/06*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
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- PEER 2016/04** Johnson L.A., Mahin S.A. (2016). The M_w 6.0 South Napa earthquake of August 24, 2014: A wake-up call for renewed investment in seismic resilience across California, *PEER Report No. 2016/04*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
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- PEER 2014/16** Stewart J.P., Afshari K., Hashash Y.M.A. (2014). Guidelines for performing hazard-consistent one-dimensional ground response analysis for ground motion prediction *PEER Report No. 2014/16*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, CA.
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