

1. Boore, D.M. (1966). The influence of layout-geometry on the attenuation of multiple reflected energy in stacked traces: Shell Oil Company, California Div., EMR 2452.
2. Boore, D.M., Prewitt, R. H., and Hughes, D. R. (1967). Layout: a program to analyze multiple cancellation as a function of shooting geometry: Shell Oil Company, Colorado Div., EMR 2456.
3. Boore, D.M., 1969, Observations of the 1968 southern Illinois earthquake, reported in "SEISMOLOGICAL NOTES-November and December, 196", in *Bull. Seism. Soc. Am.*, 59, 1429—1430.
4. Boore, D.M., and Toksoz, M.N. (1969). Rayleigh wave particle motion and crustal structure, *Bull. Seism. Soc. Am.* 59, 331—346.
5. Boore, D.M. (1969). The effects of higher mode contamination on measured Love wave phase velocities, *J. Geophys. Res.* 74, 6612—6616.
6. Boore, D.M. (1970). Love waves in non-uniform wave guides: finite difference calculations, *J. Geophys. Res.* 75, 1512—1527.
7. Boore, D.M., Lerner, K.L., and Aki, K. (1971). Comparison of two independent methods for the solution of wave-scattering problems: response of a sedimentary basin to vertically incident SH waves, *J. Geophys. Res.* 76, 558—569.
8. Boore, D.M., Aki, K., and Todd, T. (1971). A two-dimension moving dislocation model for a strike-slip fault, *Bull. Seism. Soc. Am.* 61, 177—194.
9. Boore, D.M. (1972). A note on the effect of simple topography on seismic SH waves, *Bull. Seism. Soc. Am.* 62, 275--284.
10. Boore, D.M. (1972), Finite difference methods for seismic wave propagation in heterogeneous materials, in *Methods in Computational Physics*, v. 11, *Seismology: Surface waves and Earth oscillations*, (Bolt, B.A., ed.), Academic Press, 1—37.
11. Boore, D.M., and Page, R. A. (1972). Acceleration near-faulting in moderate-sized earthquakes, *U.S. Geological Survey Open-File Report 72-43*, 12 p.
12. Page, R.A., Boore, D.M., Joyner, W.B., and Coulter, H.W. (1972). Ground motion values for use in the seismic design of the trans-Alaska pipeline system, *U.S. Geological Survey Circular 672*, 23 pp.
13. Boore, D. M. (1973). The Pacoima Dam accelerogram of the February 9, 1971, San Fernando earthquake: implications of local site topography, *Bull. Seism. Soc. Am.* 63, 1603--1609.
14. Boore, D.M., and Hill, D.P. (1973). Wave propagation characteristics in the vicinity of the San Andreas fault, in *Proc. Conf. on Tectonic Problems of the San Andreas Fault*, (Kovach, R.L., and Nur, A., eds.), Stanford University, p. 215-224.

15. Boore, D.M. (1974). Empirical and theoretical study of near-fault wave propagation, *Proc. 5th World Conf. on Earthquake Engineering*, Rome.
16. Boore, D.M. (1974). Book review of Peace in Mind in Earthquake Country: How to Save Your Home and Life, *Bull. Seism. Soc. Am.* 64, 2027--2028.
17. Boore, D.M., and Zoback, M.D. (1974). Near-field motions from kinematic models of propagating faults, *Bull. Seism. Soc. Am.* 64, 321--342.
18. Boore, D.M., and Zoback, M.D. (1974). Two-dimensional kinematic fault modeling of the Pacoima Dam strong-motion recordings of the February 9, 1971, San Fernando earthquake, *Bull. Seism. Soc. Am.* 64, 555--570.
19. Alford, R.M., Kelley, K.R., and Boore, D.M. (1974). Accuracy of finite difference modeling of the acoustic wave equation, *Geophysics* 39, 834--842.
20. Wesson, R.L., Page, R.A., Boore, D.M., and Yerkes, R.F. (1974). Expectable earthquakes and their ground motions in the Van Norman reservoirs area, northern San Fernando Valley, California, *U.S. Geological Survey Circular* 691B, 9 pp.
21. Boatwright, J., and Boore, D.M. (1975). A simplification in the calculation of motions near a propagating dislocation, *Bull. Seism. Soc. Am.* 65, 133--138.
22. Boore, D.M. (1975). Seismology (review), *Geotimes* 20, 23--24.
23. Boore, D.M., McEvelly, T.V., and Lindh, A.G. (1975). Quarry blast sources and earthquake prediction: the Parkfield, California, earthquake of June 28, 1966, *Pure and Applied Geophysics* 113, 293--296.
24. Boore, D.M., Lindh, A.G., McEvelly, T.V., and Tolmachoff, W.W. (1975). A search for travel time changes associated with the Parkfield, California, earthquake of 1966, *Bull. Seism. Soc. Am.* 64, 1407--1418.
25. Page, R.A., Boore, D.M., and Dieterich, J.H. (1975). Estimation of bedrock motion at the ground surface in Studies for Seismic Zonation of the San Francisco Bay Region, *U.S. Geological Survey Professional Paper* 941A, A31—A38.
26. Boore, D.M. (1976). Seismology (review), *Geotimes* 21, 37.
27. Boore, D.M. (1976). Research summary - Stanford University, *Proc. Fourth National Meeting of the Universities Council for Earthquake Engineering Research*, Vancouver, Canada, 118--120.
28. Boore, D.M., and Stierman, D.J. (1976). Source parameters of the Point Mugu, California, earthquake of 21 February 1973, *Bull. Seism. Soc. Am.* 66, 385--404.
29. Boore, D.M. (1977). Seismology (review), *Geotimes* 22.

30. Boore, D.M. (1977). Strong motion recordings of the California earthquake of April 18, 1906, *Bull. Seism. Soc. Am.* 67, 561--577.
31. Boore, D.M. (1977). The motion of the ground in earthquakes, *Scientific American* 237, 66--78.
32. Boore, D.M., and Dunbar, W.S. (1977). Effect of the free surface on calculated stress drops, *Bull. Seism. Soc. Am.* 67, 1661--1665.
33. Boore, D.M. (1978). Earth science: Geophysics, in *Yearbook of Science and the Future, Encyclopaedia Britannica*.
34. Boore, D.M., and Joyner, W.B. (1978). The influence of rupture incoherence on seismic directivity, *Bull. Seism. Soc. Am.* 68, 283--300.
35. Boore, D.M., Oliver, A.A., III, Page, R.A., and Joyner, W.B. (1978). Estimation of ground motion parameters, *U.S. Geological Survey Open-File Report 78-509*, 146 p.
36. Boore, D.M., Oliver, A.A. III, Page, R.A., and Joyner, W.B. (1978). Estimation of ground parameters, *U.S. Geological Survey Circular 795*, 43 pp.
37. Cramer, C.H., and Boore, D.M. (1978). The effect of Nevada test site geology on absolute travel time residuals at Matsushiro, Japan, and College, Alaska, *Bull. Seism. Soc. Am.* 68, 859--862.
38. Stauber, D.A., and Boore, D.M. (1978). Crustal thickness in northern Nevada and southeastern Oregon from seismic refraction profiles, *Bull. Seism. Soc. Am.* 68, 1049--1058.
39. Swanger, H.J., and Boore, D.M. (1978). Simulation of strong motion displacements using surface wave modal superposition, *Bull. Seism. Soc. Am.* 68, 907--922.
40. Swanger, H. J., and Boore, D.M. (1978). Importance of surface waves in strong ground motion in the period range of 1 to 10 seconds, *Proc. 2<sup>nd</sup> Int'l. Conference on Microzonation*, San Francisco, III, 1447--1457.
41. Archuleta, R. J., Joyner, W. B., and Boore, D.M. (1978). A methodology for predicting ground motion at specific sites, *Proc. 2<sup>nd</sup> Int'l. Conference on Microzonation*, San Francisco, I, 255--265.
42. Boore, D.M. (1978). Modeling of near-fault motions, in *Proc. NSF Seminar Workshop on Strong Ground Motion*, (D. V. Helmberger and P. C. Jennings, organizers), 30--35.
43. Boore, D.M. (1978). Near-fault strong ground motions, *Proc. I Congress Ibero Latino Americano de Geofisica*, Caracas, Venezuela.
44. Archuleta, R. J., Joyner, W. B., and Boore, D.M. (1979). A methodology for predicting ground motions at specific sites, in *Progress on Seismic Zonation in the San Francisco Bay Region*, (E. E. Brabb, ed.), *U.S. Geological Survey Circular 807*.

45. Boore, D.M., Joyner, W.B., Oliver, A.A. III, and Page, R.A. (1980). Peak acceleration, velocity, and displacement from strong motion records, *Bull. Seism. Soc. Am.* 70, 305--321.
46. Hudson, J.A., and Boore, D.M. (1980). Comments on Scattered waves from a surface obstacle by J. A. Hudson, *Geophys. J. Int.* 60, 123--127.
47. Savy, J.B., Shah, H.C., and Boore, D.M. (1980). A non-stationary risk model with geophysical input, *J. Struc. Div.*, ASCE. 106, no. ST1, 145--153.
48. Boore, D.M. (1980). On the attenuation of peak velocity, *Proc. 7<sup>th</sup> World Conf. on Earthquake Engineering*, Istanbul, 2, 577--584.
49. Joyner, W.B., and Boore, D.M. (1980). A stochastic source model for synthetic strong-motion seismograms, *Proc. 7<sup>th</sup> World Conf. on Earthquake Engineering*, Istanbul, 1, 1--8.
50. Boore, D.M., and Porcella, R. L. (1980). Peak horizontal ground accelerations from recent earthquakes in western North America, *Bull. Seism. Soc. Am.* 70, 2295--2297.
51. Dunbar, W.S., Boore, D.M., and Thatcher, W. (1980). Pre-, co- and postseismic strain changes associated with the 1952 ML = 7.2 Kern County, California, earthquake, *Bull. Seism. Soc. Am.* 70, 1893--1905.
52. Boore, D.M. (1980). Strong-motion recordings as seismograms (invited paper), Research Conf. on Earthquake Engineering, Skopje, Yugoslavia, convened by U.S.-Yugoslav Joint Board on Scientific and Technological Cooperation.
53. Anicic, D., Berz, G., Boore, D., Bouwkamp, J., Hakenbeck, U., McGuire, R., Sims, J., and Wiczorek, G. (1980). *Reconnaissance Report Montenegro, Yugoslavia, earthquake, April 15, 1979* (R.B. Matthiesen, coordinator, A. Leeds, Editor), Earthquake Engineering Research Institute.
54. Lindh, A.G., and Boore, D.M. (1981). Control of rupture by fault geometry during the 1966 Parkfield, California, earthquake, *Bull. Seism. Soc. Am.* 71, 95--116.
55. Boore, D.M., Kanamori, H., Harding, S., and Sims, J. (1981). The Montenegro earthquake of April 15, 1979: source orientation and strength, *Physics of the Earth and Planetary Interiors* 27, 133--142.
56. Boore, D.M., Harmsen, S.C., and Harding, S.T. (1981). Wave scattering from a step change in surface topography, *Bull. Seism. Soc. Am.* 71, 117--125.
57. Joyner, W.B., and Boore, D.M. (1981). Peak horizontal acceleration and velocity from strong-motion records including records from the 1979 Imperial Valley, California, earthquake, *Bull. Seism. Soc. Am.* 71, 2011--2038.
58. Fletcher, J.B., Zepeda, R.L., and Boore, D.M. (1981). Digital seismograms of aftershocks of the Imperial Valley, California, earthquake of October 15, 1979, *U.S. Geological Survey Open-File Report* 81-655.

59. Boore, D.M., and Porcella, R.L. (1982). Peak horizontal ground accelerations from the 1979 Imperial Valley earthquake: comparison with data from previous earthquakes, *U.S. Geological Survey Professional Paper* 1254, 439--441.
60. Boore, D.M., and Fletcher, J.B. (1982). A preliminary study of selected aftershocks on the 1979 Imperial Valley earthquake from digital acceleration and velocity recordings, *U.S. Geological Survey Professional Paper* 1254, 109--118.
61. Daniel, R.G., and Boore, D.M. (1982). Anomalous shear wave travel time delays and surface wave velocities at Yellowstone Caldera, Wyoming, *J. Geophys. Res.* 87, 2731--2744.
62. Boatwright, J., and Boore, D.M. (1982). Analysis of the ground accelerations radiated by the 1980 Livermore Valley earthquakes for directivity and dynamic source characteristics, *Bull. Seism. Soc. Am.* 72, 1843--1865.
63. Joyner, W.B., and Boore, D.M. (1982). Estimation of response-spectral values as functions of magnitude, distance, and site conditions, *U.S. Geological Survey Open-File Report* 82-881, 29 pp.
64. Joyner, W.B., and Boore, D.M. (1982). Prediction of earthquake response spectra, *U.S. Geological Survey Open-File Report* 82-977, 16 pp.
65. Boore, D.M., and Joyner, W.B. (1982). The empirical prediction of ground motion, *Bull. Seism. Soc. Am.* 72, S43--S60.
66. McCann, M.W., Jr., and Boore, D.M. (1982). Variability in ground motions: a factor in microzonation, *Proceedings of the Third International Conference on Earthquake Microzonation* 1, Seattle, Washington, June 28-July 1, 1982, 471--482.
67. Mueller, C.S., Boore, D.M., and Porcella, R.L. (1982). Detailed study of site amplification at El Centro strong-motion array station 6, *Proceedings of the Third International Conference on Earthquake Microzonation* 1, Seattle, Washington, June 28-July 1, 1982, 413--424.
68. Boore, D.M., Hsieh, L.L., Iwan, W.D., Peng, K.Z., and Teng, T.L. (1982). USA-PRC cooperative project on strong ground motion, *Proceedings US-PRC Bilateral Workshop on Earthquake Engineering* 1, Harbin, China, A1—A12.
69. Boore, D.M. (1982). The properties and prediction of strong ground motion, in *Earthquake Ground Motion and Its Effects on Structures*, (S. K. Datta, ed.), American Society Mechanical Engineers, AMD-53, 3--20.
70. Boore, D.M. (1983). Strong-motion seismology, in James. D. E. (ed.), U.S. national report to IUGG 1979—1982, *Reviews of Geophysics and Space Physics* 21, 1308--1318.
71. McCann, W.M., Jr., and Boore, D.M. (1983). Variability in ground motions: root-mean-square acceleration and peak acceleration for the 1971 San Fernando, California earthquake, *Bull. Seism. Soc. Am.* 73, 615--632.

72. Boore, D.M. (1983). Stochastic simulation of high-frequency ground motions based on seismological models of the radiated spectra, *Proc. International Workshop on Earthquake Engineering*, Tongji University, Shanghai, China, A3--A17.
73. Boore, D.M. (1983). Stochastic simulation of high-frequency ground motions based on seismological models of the radiated spectra, *Bull. Seism. Soc. Am.* 73, 1865--1894.
74. Boore, D.M., and Joyner, W.B. (1983). Ground motions and response spectra at soil sites from seismological models of radiated spectra, *U.S. Geological Survey Open-File Report 83-845*, 261--279.
75. Joyner, W.B., and Boore, D.M. (1983). Comments on new attenuation relations for peak and expected accelerations of strong ground motion by B.A. Bolt and N.A. Abrahamson, *Bull. Seism. Soc. Am.* 73, 1479--1480.
76. Boore, D.M. (1984). Use of seismoscope records to determine  $M_L$  and peak velocities, *Bull. Seism. Soc. Am.* 74, 315--324.
77. Hanks, T.C., and Boore, D.M. (1984). Moment-magnitude relations in theory and practice, *J. Geophys. Res.* 89, 6229--6235.
78. Boore, D.M., and Joyner, W.B. (1984). A note on the use of random vibration theory to predict peak amplitude of transient signals, *Bull. Seism. Soc. Am.* 74, 2035--2039.
79. Boore, D.M., and Joyner, W.B. (1984). Ground motions and response spectra at soil sites from seismological models of radiated spectra, *Proceedings, Eighth World Conference on Earthquake Engineering II*, 457--464.
80. Boore, D.M., Lindh, A.G., Tucker, B.E., Shakal, A.F., and McJunkin, R.D. (1984). Some studies concerning site response: Part 1. Preliminary analysis of Parkfield array recordings of the Coalinga earthquake; Part 2. Stability of empirical estimates of site response, *U.S. Geological Survey Open-File Report 83-845*, 144--166.
81. Iwan, W.D., Boore, D.M., Hsieh, L-L., Peng, K-Z., and Teng, T-L. (1984). The U.S.-China cooperative strong ground motion project, *Proceedings, Eighth World Conference on Earthquake Engineering II*, 23--30.
82. Joyner, W.B., and Boore, D.M. (1984). Magnitude saturation, in *Strong Ground Motion Simulation and Earthquake Engineering Applications* (R.E. Scholl and J.L. Kine, eds.), Earthquake Engineering Research Institute Publication 85-02, 12-1 -- 12-8.
83. Joyner, W.B., and Boore, D.M. (1984). Ground motion prediction for design, *Progress and issues*, Applied Technology Council.
84. Boore, D.M., and Boatwright, J. (1984). Average body-wave radiation coefficients, *Bull. Seism. Soc. Am.* 74, 1615--1621.

85. Peng, K., Xie, L., Li, S., Boore, D.M., Iwan, W.D., and Teng, T.L. (1985). The near-source strong-motion accelerograms recorded by an experimental array in Tangshan, China, *Physics of the Earth and Planetary Interiors* 38, 92--109.
86. Spudich, P., Boore, D., Borchardt, R., Brady, A.G., Çelebi, M., Fletcher, J.B., Holzer, T., Joyner, W., Safak, E., and Youd, T.L. (1985). *National plan to record earthquake motions on the ground and in man-made structures*: Menlo Park, Calif., USGS, 177 p.
87. Boore, D.M. (1986). Short-period P-wave radiation from large earthquakes: implications for spectral scaling laws, *Bull. Seism. Soc. Am.* 76, 43--64.
88. Joyner, W.B., and Boore, D.M. (1986). On simulating large earthquakes by Green's-function addition of smaller earthquakes, *Earthquake Source Mechanics*, American Geophysical Union Monograph 37, 269--274.
89. Boore, D.M. (1986). The effect of finite bandwidth on seismic scaling relationships, *Earthquake Source Mechanics*, Geophys. Monograph 37, S. Das, J. Boatwright, and C. Scholz (Editors), American Geophysical Union, Washington, D.C., 275--283.
90. Haar, L.C., Mueller, C.S., Fletcher, J.B., and Boore, D.M. (1986). Comments on "Some recent Lg phase displacement spectral densities and their implications with respect to prediction of ground motions in eastern North America" by R. Street, *Bull. Seism. Soc. Am.* 76, 291--295.
91. Safak, E. and D.M. Boore (1986). On nonstationary stochastic models for earthquakes, *Proceedings Third U.S. National Conference on Earthquake Engineering* 1, 137--148, Charleston, S. Carolina,
92. Boore, D. M. and W. B. Joyner (1986). Prediction of earthquake ground motion at periods of interest for base-isolated structures, in *Proc. Seminar and Workshop on Base Isolation and Passive Energy Dissipation*, March 12--14, 1986, San Francisco, Calif., Applied Technology Council, 355--370.
93. Boore, D.M. (1986). Prediction of strong ground motions, in Future Directions in Evaluating Earthquake Hazards in Southern California, *U.S. Geological Survey Open-File Report* 86-401, 189--201.
94. Safak, E. and Boore, D.M. (1988). On low-frequency errors of uniformly modulated filtered white-noise models for ground motions, *Earthq. Eng. Struct. Dyn.* 16, 381--388.
95. Atkinson, G.M. and D.M. Boore (1987). On the  $m_N$ ,  $M$  relation for eastern North American earthquakes, *Seismol. Research Letters* 58, 119--124.
96. Boore, D.M. and Atkinson, G.M. (1987). Notes on the prediction of ground motion and response spectra at hard-rock sites in eastern North America, *Proceedings of Workshop on Strong Ground Motion Predictions in Eastern North America*, Electric Power Research Institute, NP-5875, 16.1--16.16.

97. Boore, D.M., Bolt, B.A., Choy, G., Kolesnikov, Y., Osawa, Y., and Seidl, D. (1987). Worldwide seismographic recording of great earthquakes, *Report to the International Council of Scientific Unions*, 22 pp., 11 Figs.
98. Hutton, L.K., and Boore, D.M. (1987). The  $M_L$  scale in southern California, *Bull. Seism. Soc. Am.* 77, 2074--2094.
99. Joyner, W.B., and Boore, D.M. (1987). Ground-motion parameters for seismic design, *Lecture notes for a course of Recent Advances in Earthquake-Resistant Design*, University of CA, Berkeley, July 20-24, 24 pp.
100. Boore, D.M. (1987). Quantitative ground motion estimates, *Proceedings of Symposium on Seismic Hazards, Ground motions, soil-liquefaction and Engineering Practice in eastern North America*, NCEER Technical Report 87-0025, 248--258.
101. Boore, D.M. and G.M. Atkinson (1987). Stochastic prediction of ground motion and spectral response parameters at hard-rock sites in eastern North America, *Bull. Seism. Soc. Am.* 77, 440--467.
102. Boore, D.M. (1987). The prediction of strong ground motion, in *Strong Ground Motion Seismology*, M. Erdik and M. N. Toksöz, Editors, NATO Advanced Studies Institute series, D. Reidel Publishing Company, Dordrecht, The Netherlands, 109--141.
103. Boore, D.M. (1987). The estimation of ground shaking caused by earthquakes, *Proceedings Fifth Canadian Conference on Earthquake Engineering*, Ottawa, Canada, A.A. Balkema, Rotterdam, 27--38.
104. Joyner, W.B. and D.M. Boore (1988). Measurement, characterization, and prediction of strong ground motion, in *Earthquake Engineering and Soil Dynamics II*, Proc. Am. Soc. Civil Eng. Geotech. Eng. Div. Specialty Conf., June 27--30, 1988, Park City, Utah, 43--102.
105. Boore, D.M. (1989). Boore, D.M. (1989). Quantitative ground-motion estimates, in *Earthquake Hazards and the Design of Constructed Facilities in the Eastern United States*, K. H. Jacob and C. J. Turkstra, Eds., *Annals of the New York Academy of Sciences* 558, 81--94.
106. Boore, D.M. (1989). The Richter scale: Its development and use for determining earthquake source parameters, *Tectonophysics* 166, 1--14.
107. Boore, D. M. and G. M. Atkinson (1989). Spectral scaling of the 1985 to 1988 Nahanni, Northwest Territories, earthquakes, *Bull. Seism. Soc. Am.* 79. 1736--1761.
108. Boore, D. M. and W. B. Joyner (1989). The effect of directivity on the stress parameter determined from ground motion observations, *Bull. Seism. Soc. Am.* 79, 1984--1988.
109. Joyner, W.B., and Boore, D.M. (1989). Estimating ground motion in California, in Hodges, Carol (ed), *Geohazards '88, a symposium highlighting research on the causes, effects, and prediction of geologic and hydrologic hazards*; *U.S. Geological Survey Circular* 1038, p. 8.



110. Atkinson, G.M. and D.M. Boore (1990). Recent trends in ground motion and spectral response relations for North America, *Earthquake Spectra* 6, 15--35.
111. Boore, D. M., and Joyner, W. B. (1990). Preliminary analysis of peak accelerations from the 1989 Loma Prieta earthquake, *Earthquake Spectra* 6, 50--58.
112. Boore, D.M., L. Seekins, and W.B. Joyner (1990). Peak accelerations from the 17 October 1989 Loma Prieta earthquake, *Seismol. Research Letters* 60, 151--166.
113. Page, R.A., Boore, D.M., Bucknam, R.C., and Thatcher, W.R. (1991). Goals, opportunities, and priorities for the USGS Earthquake Hazards Reduction Program, *U.S. Geological Survey Circular* 1079, 60 pp.
114. Joyner, W.B., and Boore, D.M. (1991). Strong earthquake ground motion and engineering design, *Geotechnical News* 9, 21--26.
115. Boore, D. M. and W. B. Joyner (1991). Estimation of ground motion at deep-soil sites in eastern North America, *Bull. Seism. Soc. Am.* 81, 2167--2185.
116. Joyner, W.B., and Boore, D.M. (1991). Empirical methods for ground motion estimation, *Proceedings POLA Seismic Workshop on Seismic Engineering*, 21-23 March 1990, Port of Los Angeles (R.C. Wittkop and G.R. Martin, Editors), 273--308.
117. Boore, D. M., and G. M. Atkinson (1992). Source spectra for the 1988 Saguenay, Quebec, earthquakes, *Bull. Seism. Soc. Am.* 82, 683--719.
118. Boore, D. M., W. B. Joyner, and L. Wennerberg (1992). Fitting the stochastic  $\omega^{-2}$  source model to observed response spectra in western North America: Trade-offs between  $\Delta\sigma$  and  $\kappa$ , *Bull. Seism. Soc. Am.* 82, 1956--1963.
119. Gibbs, J.F., T.E. Fumal, D.M. Boore, and W.B. Joyner (1992). Seismic velocities and geologic logs from borehole measurements at seven strong-motion stations that recorded the Loma Prieta earthquake, *U.S. Geological Survey Open-File Report* 92-287, 139 pp.
120. Boore, D.M. and N.N. Ambraseys (1993). Some notes concerning prediction of ground motions for GSHAP, *Annali di Geofisica* (Special Issue, Technical Planning Volume of the ILP's Global Seismic Hazard Assessment Program), 36., 169--180.
121. Boore, D.M. and W.B. Joyner (1993). Empirical prediction of strong ground motion, *Proceedings Structures '93 Congress*, Irvine, California.
122. Boore, D. M., K. W. Campbell, and R. B. Herrmann (1993). Estimation of Ground Motion in Eastern North America, Chapter 3 in *Hazard Assessment, Central United States Earthquake Consortium Monograph 1*, 81--129.
123. Joyner, W.B. and D.M. Boore (1993). Methods for regression analysis of strong-motion data, *Bull. Seism. Soc. Am.* 83, 469--487.

124. Boore, D. M., W. B. Joyner, and T. E. Fumal (1993). Estimation of response spectra and peak accelerations from western North American earthquakes: An interim report, *U.S. Geological Survey Open-File Report 93-509*, 72 pp.
125. Boore, D. M. (1994). Some notes concerning the determination of shear-wave velocity and attenuation, *Proceedings of workshop on "Geophysical Techniques for Site and Material Characterization"*, Atlanta, GA, 1993, 129--134.
126. Boore, D. M., W. B. Joyner, and T. E. Fumal (1994). Estimation of response spectra and peak accelerations from western North American earthquakes: An interim report, Part 2, *U.S. Geological Survey Open-File Report 94-127*, 40 pp.
127. Boore, D. M. and W. B. Joyner (1994). Prediction of ground motion in North America, *Proc. ATC-35 Seminar on New Developments in Earthquake Ground Motion Estimation and Implications for Engineering Design Practice*, Applied Technology Council, Redwood City, California, ATC 35-1, 6-1 -- 6-41.
128. Boore, D. M., W. B. Joyner, and T. E. Fumal (1994). A summary of recent results concerning the prediction of strong ground motions in western North America, *Proceedings of the International Workshop on Strong Motion Data 2*, Menlo Park, CA Dec 13--17, 1993, 99--125.
129. Gibbs, J.F., D.M. Boore, W.B. Joyner, and T.E. Fumal (1994). The attenuation of seismic shear waves in Quaternary alluvium in Santa Clara Valley, California, *Bull. Seism. Soc. Am.* 84, 76--90.
130. Joyner, W. B. and D. M. Boore (1994). Errata, Methods for regression analysis of strong-motion data (*Bull. Seism. Soc. Am.* 83, 469—487), *Bull. Seism. Soc. Am.* 84, 955—956.
131. Scientists of the U.S. Geological Survey and the Southern California Earthquake Center (1994). The magnitude 6.7 Northridge, California, earthquake of 17 January 1994, *Science* 266, 389--397. (I prepared Figure 5).
132. Wentworth, C.M., R.D. Borchardt, R.K. Mark, and D.M. Boore (1994). Maps of peak horizontal and vertical accelerations recorded for the Northridge, California, earthquake of January 17, 1994 and general geology of the epicentral region, *U.S. Geological Survey Open-File Report 94-197*, 3 p.
133. Atkinson, G.M. and D.M. Boore (1995). Ground motion relations for eastern North America, *Bull. Seism. Soc. Am.* 85, 17--30.
134. Boore, D.M. (1995). Prediction of response spectra for the Saguenay earthquake, in *Proceedings: Modeling Earthquake Ground Motion at Close Distances*, (J.F. Schneider and P.G. Somerville, Editors), Electric Power Research Institute report EPRI TR-104975, 6-1 -- 6-14.
135. Page, R.A., D.M. Boore, and R.F. Yerkes (1995). The Los Angeles Dam Story, U.S.G.S. Fact Sheet 096-95.

136. McGuire, R., D.M. Boore, G.M. Atkinson, G.R. Toro, W.B. Joyner, and G.A. Bollinger (1996). Discussion of "Seismic hazard assessment in the southeastern United States," by P.C. Rizzo, N.R. Vaidya, E. Bazan, and C.F. Heberling, *Earthquake Spectra* 11, 667--677.
137. Durward, J.A., D.M. Boore, and W.B. Joyner (1996). The amplitude dependence of high-frequency spectral decay: Constraint on soil non-linearity, *Proceedings of International Workshop on Site Response 2*, Yokosuka, Japan, January 16--17, 1996, 82--103.
138. Joyner, W.B. and D.M. Boore (1996). Recent developments in strong-motion attenuation relationships, *Proc. 28th Joint Meeting of U.S.-Japan Cooperative Program in Natural Resources Panel on Wind and Seismic Effects*, Gaithersburg, Maryland., (N.J. Raufaste, Editor), National Institute of Standards and Technology report NIST SP 904, 101--116.
139. Boore, D. M. (1996). SMSIM -- Fortran programs for simulating ground motions from earthquakes: version 1.0, *U.S. Geological Survey Open-File Report* 96-80-A (text) and 96-80-B (diskette), 73 p.
140. U.S. Geological Survey (1996). USGS response to an urban earthquake: Northridge '94, *U.S. Geological Survey Open-File Report* 96-263, 78 pp.
141. Spudich, P., J.B. Fletcher, M. Hellweg, J. Boatwright, C. Sullivan, W.B. Joyner, T.C. Hanks, D.M. Boore, A. McGarr, L.M. Baker, and A.G. Lindh (1996). Earthquake ground motions in extensional tectonic regimes, *U.S. Geological Survey Open-File Report* 96-292, 351 pp.
142. Budnitz, R.J., G. Apostolakis, D.M. Boore, L.S. Cluff, K.J. Coppersmith, C.A. Cornell, and P.M. Morris (1997). Recommendations for probabilistic seismic hazard analysis: Guidelines on uncertainty and use of experts, *U.S. Nuclear Regulatory Commission report NUREG/CR-6372* (first published as Lawrence Livermore Lab. Report UCRL-ID-122160 in 1995), 2 volumes.
143. Boore, D. M., W. B. Joyner, and T. E. Fumal (1997). Equations for estimating horizontal response spectra and peak acceleration from western North American earthquakes: A summary of recent work, *Seismol. Research Letters* 68, 128--153.
144. Atkinson, G.M. and D.M. Boore (1997). Stochastic point-source modeling of ground motions in the Cascadia region, *Seismol. Research Letters* 68, 74--85.
145. Atkinson, G.M. and D.M. Boore (1997). Some comparisons between recent ground-motion relations, *Seismol. Research Letters* 68, 24--40.
146. Spudich, P., J. B. Fletcher, M. Hellweg, J. Boatwright, C. Sullivan, W. B. Joyner, T. C. Hanks, D. M. Boore, A. McGarr, L. M. Baker, and A. G. Lindh (1997). SEA96--- A new predictive relation for earthquake ground motions in extensional tectonic regimes, *Seismol. Research Letters* 68, 190--198.
147. Benz, H.M., A. Frankel, and D.M. Boore (1997). Regional  $L_g$  attenuation for the continental United States, *Bull. Seism. Soc. Am.* 87, 606--619.

148. Boore, D. M. and W. B. Joyner (1997). Site amplifications for generic rock sites, *Bull. Seism. Soc. Am.* 87, 327--341.
149. Boore, D. M. (1997). Appendix C: Estimates of average spectral amplitudes at FOAKE sites, in *An evaluation of methodology for seismic qualification of equipment, cable trays and ducts in ALWR plants by use of experience data*, Bandyopadhyay, K.K., D.D. Kana, R.P. Kennedy, and A.J. Schiff, Editors, U.S. Nuclear Regulatory Commission NUREG/CR-6464 and Brookhaven National Lab BNL-NUREG-52500, C-1--C-69.
150. Boore, D. M. (1997). Analysis of earthquake recordings obtained from the Seafloor Earthquake Measurement System (SEMS) instruments deployed off the coast of southern California, *U.S. Geological Survey Open-File Report 97-733*, 242 pp.
151. Atkinson, G.M., Boore, D.M., and Boatwright, J. (1997). Comment on "Earthquake source spectra in eastern North America", by R. Haddon, in *Bull. Seism. Soc. Am.* 87, 1697-1702.
152. Cultrera, G., D.M. Boore, and W.B. Joyner (1997). Searching for nonlinear soil response in the vicinity of the Van Norman Complex, *Proc. NEHRP Conference and Workshop on Research on the Northridge, California Earthquake of January 17, 1994*, CUREE, II-100--II-107.
153. Atkinson, G.M. and D.M. Boore (1998). Evaluation of models for earthquake source spectra in eastern North America, *Bull. Seism. Soc. Am.* 88, 917--934.
154. Boore, D.M. and L.T. Brown (1998). Comparing shear-wave velocity profiles from inversion of surface-wave phase velocities with downhole measurements: Systematic differences between the CXW method and downhole measurements at six USC strong-motion sites, *Seismol. Research Letters* 69, 222--229.
155. Boore, D.M. and L.T. Brown (1998). Erratum to "Comparing shear-wave velocity profiles from inversion of surface-wave phase velocities with downhole measurements: Systematic differences between the CXW method and downhole measurements at six USC strong-motion sites", *Seismol. Research Letters* 69, 406.
156. Budnitz, R.J., G. Apostolakis, D.M. Boore, L.S. Cluff, K.J. Coppersmith, C.A. Cornell, and P.A. Morris (1998). Use of technical expert panels: Applications to probabilistic seismic hazard analysis, *Risk Analysis* 18, 463--469.
157. Cultrera, G., D.M. Boore, W.B. Joyner, and C.M. Dietel (1998). Evidence for nonlinear soil response at the vicinity of the Van Norman Complex, CA, USA, following the 1994 Northridge earthquake, in *The Effects of Surface Geology on Seismic Motion*, Irikura, Kudo, Okada, and Sasatani (Editors), Balkema, Rotterdam, 779--786.
158. Joyner, W.B. and D.M. Boore (1998). Equivalent-linear ground-response calculations with frequency-dependent damping, *Proceedings Workshop on Seismic Hazards and Ground Motion in the Region of Moderate Seismicity*, Seoul, Korea, Nov. 1998.
159. Margaris, B.N. and D.M. Boore (1998). Determination of  $\Delta\sigma$  and  $\kappa_0$  from response spectra of large earthquakes in Greece, *Bull. Seism. Soc. Am.* 88, 170--182.

160. Boore, D.M. (1999). Basin waves on a seafloor recording of the 1990 Upland, California, earthquake: Implications for ground motions from a larger earthquake, *Bull. Seism. Soc. Am.* 89, 317--324.
161. Boore, D.M. (1999). Effect of baseline corrections on response spectra for two recordings of the 1999 Chi-Chi, Taiwan, earthquake, *U.S. Geological Survey Open-File Report 99-545*, 37 pp.
162. Boore, D.M. and C.E. Smith (1999). Analysis of earthquake recordings obtained from the Seafloor Earthquake Measurement System (SEMS) instruments deployed off the coast of southern California, *Bull. Seism. Soc. Am.* 89, 260--274.
163. Cultrera, G., D.M. Boore, W.B. Joyner, and C.M. Dietel (1999). Nonlinear soil response in the vicinity of the Van Norman Complex following the 1994 Northridge, California, earthquake, *Bull. Seism. Soc. Am.* 89, 1214--1231.
164. Gibbs, J.F., J.C. Tinsley, David M. Boore, and W.B. Joyner (1999). Seismic velocities and geological conditions at twelve sites subjected to strong ground motion in the 1994 Northridge, California, earthquake: A revision of OFR 96-740, *U.S. Geological Survey Open-File Report 99-446*, 142 pp.
165. Spudich, P., W.B. Joyner, A.G. Lindh, D.M. Boore, B.M. Margaris, and J.B. Fletcher (1999). SEA99: A revised ground motion prediction relation for use in extensional tectonic regimes, *Bull. Seism. Soc. Am.* 89, 1156--1170.
166. Atkinson, G.M. and D.M. Boore (2000). Reply to comment by R.A.W. Haddon on "Evaluation of models for earthquake source spectra in eastern North America" by Gail M. Atkinson and David M. Boore, *Bull. Seism. Soc. Am.* 90, 1339--1341.
167. Boore, D.M. (2000). SMSIM -- Fortran programs for simulating ground motions from earthquakes: version 2.0 --- A revision of OFR 96-80-A, *U.S. Geological Survey Open-File Report OF 00-509*, 53 pp.
168. Joyner, W.B. and D.M. Boore (2000). Recent developments in earthquake ground motion estimation, Proceedings Sixth International Conference on Seismic Zonation., Palm Springs, California, Nov. 12--15, 2000, Earthquake Engineering Research Institute.
169. Gibbs, J.F., J.C. Tinsley, D.M. Boore, and W.B. Joyner (2000). Borehole velocity measurements and geological conditions at thirteen sites in the Los Angeles, California region, *U.S. Geological Survey Open-File Report OF 00-470*, 118 pp.
170. Liu, H.-P., D.M. Boore, W.B. Joyner, D.H. Oppenheimer, R.E. Warrick, W. Zhang, J.C. Hamilton, and L.T. Brown (2000). Comparison of phase velocities from array measurements of Rayleigh waves associated with microtremor and results calculated from borehole shear-wave velocity profiles, *U.S. Geological Survey Open-File Report 00-216*, 54 pp.
171. Liu, H.-P., D.M. Boore, W.B. Joyner, D.H. Oppenheimer, R.E. Warrick, W. Zhang, J.C. Hamilton, and L.T. Brown (2000). Comparison of phase velocities from array measurements of

Rayleigh waves associated with microtremor and results calculated from borehole shear-wave velocity profiles, *Bull. Seism. Soc. Am.* 90, 666--678.

172. Boore, D.M. (2001). Effect of baseline corrections on displacements and response spectra for several recordings of the 1999 Chi-Chi, Taiwan, earthquake, *Bull. Seism. Soc. Am.* 91, 1199--1211.

173. Boore, D.M. (2001). Comparisons of ground motions from the 1999 Chi-Chi earthquake with empirical predictions largely based on data from California, *Bull. Seism. Soc. Am.* 91, 1212--1217.

174. Boore, D.M. (2001). In Memoriam: William B. Joyner, *Seismol. Research Letters* 72, 511--513.

175. Gibbs, J.F., D.M. Boore, J.C. Tinsley, and C.S. Mueller (2001). Borehole P- and S-wave velocity at thirteen stations in southern California, *U.S. Geological Survey Open-File Report OF 01-506*, 117 pp.

176. Atkinson, G.M. and D.M. Boore (2002). Empirical ground relations for subduction zone earthquakes, in *The Cascadia Subduction Zone and Related Subduction Systems-Seismic Structure, Intraslab Earthquakes and Processes, and Earthquake Hazards*, Stephen Kirby, Kelin Wang, and Susan Dunlop (Editors), *U.S. Geological Survey Open-File Report 02-328*, 155--157.

177. Boore, D.M., C.D. Stephens, and W.B. Joyner (2002). Comments on baseline correction of digital strong-motion data: Examples from the 1999 Hector Mine, California, earthquake, *Bull. Seism. Soc. Am.* 92, 1543--1560.

178. Brown, L.T., D.M. Boore, and K.H. Stokoe, II (2002). Comparison of shear-wave slowness profiles at ten strong-motion sites from noninvasive SASW measurements and measurements made in boreholes, *Bull. Seism. Soc. Am.* 92, 3116--3133.

179. Gibbs, J.F., J.C. Tinsley, and D.M. Boore (2002). Borehole velocity measurements at five sites that recorded the Cape Mendocino, California earthquake of 25 April, 1992, *U.S. Geological Survey Open-File Report OF 02-203*, 48 pp.

180. Boore, D.M. (2003). Simulation of ground motion using the stochastic method, *Pure and Applied Geophysics* 160, 635--676.

181. Wang, G.-Q., D.M. Boore, H. Igel, and X.-Y. Zhou (2003). Some observations on collocated and closely-spaced strong ground motion records of the 1999, Chi-Chi, Taiwan earthquake, *Bull. Seism. Soc. Am.* 93, 674--693.

182. Boore, D.M. (2003). A compendium of P- and S-wave velocities from surface-to-borehole logging: Summary and reanalysis of previously published data and analysis of unpublished data, *U.S. Geological Survey Open-File Report 03-191*, 13 pp.

183. Boore, D. M. (2003). SMSIM: Stochastic Method SIMulation of ground motion from earthquakes, Chapter 85.13 in: *International Handbook of Earthquake and Engineering*

*Seismology*, (edited by W.H.K. Lee, H. Kanamori, P.C. Jennings, and C. Kisslinger), 81B. and CD 3, Academic Press, Amsterdam, 1631--1632.

184. Boore, D.M. (2003). Some notes on phase derivatives and simulating strong ground motions, *Bull. Seism. Soc. Am.* 93, 1132--1143.

185. Atkinson, G.M. and D.M. Boore (2003). Empirical ground-motion relations for subduction zone earthquakes and their application to Cascadia and other regions, *Bull. Seism. Soc. Am.* 93, 1703--1729.

186. Boore, D.M. (2003). Analog-to-digital conversion as a source of drifts in displacements derived from digital recordings of ground acceleration, *Bull. Seism. Soc. Am.* 93, 2017--2024.

187. Boore, D.M., J.F. Gibbs, W.B. Joyner, J.C. Tinsley, and D.J. Ponti (2003). Estimated ground motion at interstate 10 and La Cienega Boulevard Bridge collapse, west Los Angeles, California, *Bull. Seism. Soc. Am.* 93. 2737--2751.

188. Boore, D.M. and S. Akkar (2003). Effect of causal and acausal filters on elastic and inelastic response spectra, *Earthq. Eng. Struct. Dyn.* 32, 1729--1748.

189. Boore, D. M. (2004). Can site response be predicted?, *J. Earthquake Engineering* 8, Special Issue 1, 1--41.

190. Boore, D. M. (2004). Estimating  $\bar{V}_s(30)$  (or NEHRP site classes) from shallow velocity models (depths < 30 m), *Bull. Seism. Soc. Am.* 94, 591--597.

191. Boore, D. M., V. M. Graizer, A. F. Shakal, and J. C. Tinsley (2004). A study of possible ground-motion amplification at the Coyote Lake Dam, California, *Bull. Seism. Soc. Am.* 94, 1327--1342.

192. Bommer, J. J. and D. M. Boore (2004). Engineering Seismology, in *Encyclopaedia of Geology*, Richard Selley, Robin Cocks, and Ian Plimer (Editors), Elsevier, Oxford, 1, 499--514.

193. Boore, D. M. (2004). Ground motion in Anchorage, Alaska, from the 2002 Denali fault earthquake: Site response and displacement pulses, *Bull. Seism. Soc. Am.* 94, S72--S84.

194. Wang, G.-Q., D.M. Boore, H. Igel, and X.-Y. Zhou (2004). Comparisons of ground motions from five aftershocks of the 1999 Chi-Chi, Taiwan, earthquake with empirical predictions largely based on data from California, *Bull. Seism. Soc. Am.* 94, 2198--2212.

195. Ross, S. L., D. M. Boore, M. A. Fisher, A. D. Frankel, E. L. Geist, K. W. Hudnut, R. E. Kayen, H. J. Lee, W. R. Normark, and F. L. Wong (2004). Comments on potential geologic and seismic hazards affecting coastal Ventura County, California, *U.S. Geological Survey Open-File Report* 2004-1286, [available on the World Wide Web at <http://pubs.usgs.gov/of/2004/1286/> ].

196. Akkar, S., D. M. Boore, and P. Gülkan (2005). An evaluation of the strong ground motion recorded during the May 1, 2003, Bingöl, Turkey, earthquake, *J. Earthquake Engineering* 9, 173--197.

197. Boore, D. M. and J. J. Bommer (2005). Processing of strong-motion accelerograms: Needs, options and consequences, *Soil Dynamics and Earthquake Engineering* 25, 93--115.
198. Boore, D. M. (2005). On pads and filters: Processing strong-motion data, *Bull. Seism. Soc. Am.* 95, 745--750.
199. Boore, D. M. (2005). ERRATUM: Seismological Research Letters, Vol. 68, No. 1, pp. 128-153, January/February 1997, Equations for estimating horizontal response spectra and peak acceleration from western North American earthquakes: A summary of recent work, D. M. Boore, W. B. Joyner, and T. E. Fumal, *Seismol. Research Letters* 76, 368--369.
200. Boore, D. M. and P. Spudich (2005). ERRATUM: Bulletin of the Seismological Society of America, Vol. 89, No. 5, pp. 1156--1170, October 1999, SEA99: A revised ground motion prediction relation for use in extensional tectonic regimes, by P. Spudich, W. B. Joyner, A. G. Lindh, D. M. Boore, B. M. Margaris, and J. B. Fletcher, *Bull. Seism. Soc. Am.* 95, 1209.
201. Asten, M. W. and D. M. Boore (2005). Comparison of shear-velocity profiles of unconsolidated sediments near the Coyote borehole (CCOC) measured with fourteen invasive and non-invasive methods, *Blind comparisons of shear-wave velocities at closely-spaced sites in San Jose, California*, M. W. Asten and D. M. Boore (Editors), *U.S. Geological Survey Open-File Report 2005-1169*, part 1.
202. Asten, M. W. and D. M. Boore, editors (2005). Blind comparisons of shear-wave velocities at closely-spaced sites in San Jose, California, *U.S. Geological Survey Open-File Report 2005-1169*.
203. Boore, D. M. (2005). Long-period ground motions from digital acceleration recordings: a new era in engineering seismology, in *International Workshop on Future Directions in Instrumentation for Strong Motion and Engineering Seismology*, P. Gülkan and J. G. Anderson, Editors, Springer, Dordrecht, The Netherlands, 41--54.
204. Hanks, T.C., Abrahamson, N.A., Board, M., Boore, D.M., Brune, J.N., and Cornell, C.A. (2005). Observed ground motions, extreme ground motions, and physical limits to ground motions, in *International Workshop on Future Directions in Instrumentation for Strong Motion and Engineering Seismology*, P. Gülkan and J.G. Anderson, eds., Springer, The Netherlands.
205. Wang, G.-Q., G.-Q. Tang, D. M. Boore, G. Van Ness Burbach, C. R. Jackson, X.-Y. Zhou, and Q.-L. Lin (2006). Surface waves in the Western Coastal Plain from an aftershock of the 1999 Chi-Chi, Taiwan, earthquake, *Bull. Seism. Soc. Am.* 96, 821--845.
206. Boore, D. M., J. Watson-Lamprey, and N. A. Abrahamson (2006). GMRotD and GMRotI: Orientation-independent measures of ground motion, *Bull. Seism. Soc. Am.* 96, 1502--1511.
207. Atkinson, G.M. and D.M. Boore (2006). Earthquake ground-motion prediction equations for eastern North America, *Bull. Seism. Soc. Am.* 96, 2181--2205.
208. Boore, D. M. (2006). Determining subsurface shear-wave velocities: A review, *Third International Symposium on the Effects of Surface Geology on Seismic Motion*, (P.-Y. Bard, E.



Chaljub, C. Cornou, F. Cotton, and P. Gueguen, Editors), Grenoble, France, 30 August - 1 September 2006, Laboratoire Central des Ponts et Chaussées, 67--85.

209. Hanks, T.C., Chair, Abrahamson, N.A., Board, M., Boore, D.M., Brune, J.N., and Cornell, C.A., Workshop Committee (2006). Report of the Workshop on Extreme Ground Motions at Yucca Mountain, August 23-25, 2004: *U.S. Geological Survey Open-File Report 2006-1277* [available on the World Wide Web at <http://pubs.usgs.gov/of/2006/1277/>].

210. Boore, D. M. and G. M. Atkinson (2006). Boore-Atkinson provisional NGA empirical ground-motion model for the average horizontal component of PGA, PGV and SA at spectral periods of 0.05, 0.1, 0.2, 0.3, 0.5, 1, 2, 3, 4, and 5 seconds, report to the PEER-Lifelines Next Generation Project [Revised 27 October 2006] [[http://peer.berkeley.edu/lifelines/nga\\_docs/nov\\_13\\_06/Boore-Atkinson-NGA\\_11-13-06.html](http://peer.berkeley.edu/lifelines/nga_docs/nov_13_06/Boore-Atkinson-NGA_11-13-06.html)].

211. Boore, D. M. and E. M. Thompson (2007). On using surface-source downhole-receiver logging to determine seismic slownesses, *Soil Dynamics and Earthquake Engineering* 27, 971--985.

212. Boore, D. M. and G. M. Atkinson (2007). Boore-Atkinson NGA Ground Motion Relations for the Geometric Mean Horizontal Component of Peak and Spectral Ground Motion Parameters, *PEER report 2007/01*, Pacific Earthquake Engineering Center, Berkeley, California.

213. Boore, D. M. (2007). Predicting earthquake ground motion in North America, *Proceedings, Ninth Canadian Conference on Earthquake Engineering*, Ottawa, Ontario, Canada 26-29 June 2007.

214. Cornou, C., M. Ohrnberger, D. M. Boore, K. Kudo, P.-Y. Bard (2007). Derivation of structural models from ambient vibration array recordings: results from an international blind test, *Third International Symposium on the Effects of Surface Geology on Seismic Motion*, (P.-Y. Bard, E. Chaljub, C. Cornou, F. Cotton, and P. Gueguen, Editors), Grenoble, France, 30 August - 1 September 2006, Laboratoire Central des Ponts et Chaussées, Paris, France (ISSN 1626-4704).

215. Wang, G.-Q., D. M. Boore, G. Tang, and X. Zhou (2007). Comparisons of ground motions from colocated and closely-spaced 1-sample-per-second global positioning system (GPS) and accelerograph recordings of the 2003 M 6.5 San Simeon, California, earthquake in the Parkfield region, *Bull. Seism. Soc. Am.* 97, 76--90.

216. Watson-Lamprey and D. M. Boore (2007). Beyond SaGMRotI: Conversion to SaArb, SaSN, and SaMaxRot, *Bull. Seism. Soc. Am.* 97, 1511--1524.

217. Abrahamson, N., G. Atkinson, D. Boore, Y. Bozorgnia, K. Campbell, B. Chiou, I. Idriss, W. Silva, and R. Youngs (2008). Comparisons of the NGA ground-motion relations, *Earthquake Spectra* 24, 45--66.

218. Boore, D. M. and G. M. Atkinson (2008). Ground-motion prediction equations for the average horizontal component of PGA, PGV, and 5%-damped PSA at spectral periods between 0.01 s and 10.0 s, *Earthquake Spectra* 24, 99--138.

219. Boore, D. M. (2008). TSPP---A collection of FORTRAN programs for processing and manipulating time series, *U.S. Geological Survey Open-File Report 2008-1111*, Version 2.0, 52 pp. (revised 10 December 2009). [<http://pubs.usgs.gov/of/2008/1111/>]
220. Boore, D. M., A. Skarlatoudis, C. Ventouzi, C. Papazachos, and B. Margaris (2008). Empirical prediction relations of acceleration and velocity spectral values from intermediate depth earthquakes in Southern Aegean, Proceedings of 3rd Hellenic Congress in Earthquake Engineering and Engineering Seismology, Athens, Greece, 5--7 November 2008 (in Greek).
221. Boore, D. M. and M. W. Asten (2008). Comparisons of shear-wave slowness in the Santa Clara Valley, California, using blind interpretations of data from invasive and non-invasive methods, *Bull. Seismol. Soc. Am.* **98**, 1983--2003.
222. Ross, S.L., Lee, H. J., Parsons, T. E., Beyer, L. A., Boore, D. M., Conrad, J. E., Edwards, B. D., Fisher, M. A., Frankel, A. D., Geist, E. L., Hudnut, K. W., Hough, S. E., Kayen, R. E., Lorensen, T. D., Luco, N., McCrory, P. A., McGann, M. L., Nathenson, M., Nolan, M., Petersen, M. D., Ponti, D. J., Powell, C. L., Ryan, H. F., Tinsley, J. C., Wills, C. J., Wong, F. L., and Xu, J. (2008). Comments on potential geologic and seismic hazards affecting proposed liquefied natural gas site in Santa Monica Bay, California: *U.S. Geological Survey Open-File Report 2008-1344*, 60 p. [<http://pubs.usgs.gov/of/2008/1344/>].
223. Crone, A.J., Boore, D.M., Briggs, R.W., Hartzell, S.H., and Zeng, Y. (2008). Final safety analysis report (FSAR) requests for additional information (RAIs); V.C. Summer COL Application: *U.S. Geological Survey Administrative Report*, 10 p.
224. Wu, C. F., W. H. K. Lee, and D. M. Boore (2008). Strong-motion data from the two Pingtung, Taiwan, earthquakes of 26 December 2006. *Terr. Atmos. Ocean. Sci.* **19**, 595-639, doi: 10.3319/TAO.2008.19.6.595(PT).
225. Hanks, T.C., Abrahamson, N.A., Boore, D.M., Coppersmith, K.J, Knepprath, N.E. (2009). Implementation of the SSHAC Guidelines for Level 3 and 4 PSHAs—Experience Gained from Actual Applications, *U.S. Geological Survey Open-File Report 2009-1093*, 66 p.
226. Akkar, S., and D. M. Boore (2009). On baseline corrections and uncertainty in response spectra for baseline variations commonly encountered in digital accelerograph records, *Bull. Seismol. Soc. Am.* **99**, 1691--1690.
227. Boore, D. M. (2009). TSPP---A collection of FORTRAN programs for processing and manipulating time series, *U.S. Geological Survey Open-File Report 2008-1111*, Revision 1.6 (30 June 2009), 57 p, Available from <http://pubs.usgs.gov/of/2008/1111>.
228. Boore, D. M., A. Skarlatoudis, B. Margaris, C. Papazachos, and C. Ventouzi, (2009). Along-arc and back-arc attenuation, site response, and source spectrum for the intermediate-

- depth January 8, 2006, **M** 6.7 Kythera, Greece, earthquake, *Bull. Seismol. Soc. Am.* **99**, 2410—2434.
229. Boore, D. M. (2010). Comparing stochastic point- and finite-source ground-motion simulations: SMSIM and EXSIM, *Bull. Seism. Soc. Am.* **100**, 3202--3216.
230. Atkinson, G. M., D. M. Boore, K. Assatourians, K. Campbell and D. Motazedian (2010). A guide to differences between point source and finite fault simulations, *Bull. Seism. Soc. Am.* **100**, 3192--3201.
231. Boore, D. M. (2009). TSPP---A collection of FORTRAN programs for processing and manipulating time series, *U.S. Geological Survey Open-File Report 2008-1111*, Revision 2.1 (20 January 2010), 56 p, Available from <http://pubs.usgs.gov/of/2008/1111>.
232. Boore, D. M., K. W. Campbell, and G. M. Atkinson (2010). Determination of stress parameters for eight well-recorded earthquakes in eastern North America, *Bull. Seism. Soc. Am.* **100**, 1632--1645.
233. Boore, D. M. (2010). Orientation-independent, non geometric-mean measures of seismic intensity from two horizontal components of motion, *Bull. Seism. Soc. Am.* **100**, 1830-1835.
234. Boore, D. M. (2011). Ground-motion prediction equations (GMPEs) from a global dataset: The PEER NGA equations, in *Earthquake Data in Engineering Seismology: Predictive Models, Data Management, and Networks*, Sinan Akkar, Polat Gülkan, and Torild Van Eck, Editors, Springer, Dordrecht, 3—15.
235. Douglas, J. and D. M. Boore (2011). High-frequency filtering of strong-motion records, *Bull. Earthquake Engineering* **9**, 395—409.
236. Kaklamanos, J., D. M. Boore , E. M. Thompson, and K. W. Campbell (2010). Implementation of the Next Generation Attenuation (NGA) Ground-Motion Prediction Equations in Fortran and R, *U. S. Geological Survey Open-File Report 2010-1296*, 47 pp.
237. Stewart, J. P., N. A. Abrahamson, G. M Atkinson, J. W. Baker, D. M. Boore, Y. Bozorgnia, K. W. Campbell, C. D. Comartin, I.M. Idriss, M. Lew, M. Mehrain, J. P. Moehle, F. Naeim, and T. A. Sabol (2011). Representation of bi-directional ground motions for design spectra in building codes, *Earthquake Spectra* **27**, 927-937.
238. Atkinson, G. M. and D. M. Boore (2011). Modifications to existing ground-motion prediction equations in light of new data, *Bull. Seismol. Soc. Am.* **101**, 1121-1135.
239. Boore, D. M., E. M. Thompson, and H. Cadet (2011). Regional correlations of  $V_{S30}$  and velocities averaged over depths less than and greater than 30 m, *Bull. Seism. Soc. Am.* **101**, 3046-3059.

240. Kaklamanos, J., L. G. Baise, and D. M. Boore (2011). Estimating unknown input parameters when implementing the NGA ground-motion prediction equations in engineering practice, *Earthquake Spectra* **27**, 1219-1235.
241. Di Alessandro, C., L. F. Bonilla, D. M. Boore, A. Rovelli, and O. Scotti (2012). Predominant-period site classification for response spectra prediction equations in Italy, *Bull. Seism. Soc. Am.* **102**, 680-695.
242. Boore, D. M. (2012). Updated determination of stress parameters for several well-recorded earthquakes in Eastern North America, *Seismol. Res. Letters* **83**, 190-199.
243. Boore, D. M. and E. M. Thompson (2012). Empirical improvements for estimating earthquake response spectra with random-vibration theory, *Bull. Seismol. Soc. Am.* **102**, 761-772.
244. Boore, D. M., A. Azari, and S. Akkar (2012). Using pad-stripped acausally filtered strong-motion data, *Bull. Seismol. Soc. Am.* **102**, 751-760.
245. Stewart, J. P., J. Douglas, C. Di Alessandro, Y. Bozorgnia, N.A. Abrahamson, D. M. Boore, K. W. Campbell, E. Delavaud, M. Erdik, and P. J. Stafford (2012). Selection of a global set of GMPEs for the GEM-PEER Global GMPEs Project, *Proceedings, 15th World Conference on Earthquake Engineering*, Lisbon, Portugal.
246. Stewart, J. P., E. Seyhan, D. M. Boore, K. W. Campbell, M. Erdik, W. J. Silva, C. Di Alessandro, and Y. Bozorgnia (2012). Site effects in parametric ground motion models for the GEM-PEER Global GMPEs Project, *Proceedings, 15th World Conference on Earthquake Engineering*, Lisbon, Portugal.
247. Caserta, A., D. M. Boore, A. Rovelli, A. Govoni, F. Marra, G. Della Monica, and E. Boschi (2013). Ground motions recorded in Rome during the April 2009 L'Aquila seismic sequence: Site response and comparison with ground motions predictions based on a global dataset, *Bull. Seismol. Soc. Am.* **103**, 1860–1874.
248. Stewart, J. P., J. Douglas, M. Javanbarg, Y. Bozorgnia, N. A. Abrahamson, D. M. Boore, K. W. Campbell, E. Delavaud, M. Erdik, and P. J. Stafford (2013). Selection of ground motion prediction equations for the global earthquake model, *Earthquake Spectra* **29**, (in press).
249. Boore, D. M. (2013). The uses and limitations of the square-root impedance method for computing site amplification, *Bull. Seismol. Soc. Am.* **103**, 2356–2368.
250. Hanks, T. C., N. A. Abrahamson, J. W. Baker, D. M. Boore, M. Board, J. N. Brune, C. A. Cornell, and J. W. Whitney (2013). Extreme ground motions and Yucca Mountain, *U. S. Geological Survey Open-File Report 2013-1245*, 105 pp.

251. Boore, D. M., J. P. Stewart, E. Seyhan, and G. M. Atkinson (2013). NGA-West 2 Equations for Predicting Response Spectral Accelerations for Shallow Crustal Earthquakes, *PEER 2013/05*, Pacific Earthquake Engineering Research Center, Berkeley, California, 135 pp.
252. Atkinson, G. M. and D. M. Boore (2014). The attenuation of Fourier amplitudes for rock sites in eastern North America, submitted to *Bull. Seismol. Soc. Am.* **104**, 513–528.
253. Bozorgnia, Y., N.A. Abrahamson, L. Al Atik, T.D. Ancheta, G.M. Atkinson, J.W. Baker, A. Baltay, D.M. Boore, K.W. Campbell, B.S.-J. Chiou, R. Darragh, S. Day, J. Donahue, R. W. Graves, N. Gregor, T. Hanks, I.M. Idriss, R. Kamai, T. Kishida, A. Kottke, S.A. Mahin, S. Rezaeian, B. Rowshandel, E. Seyhan, S. Shahi, T. Shantz, W. Silva, P. Spudich, J.P. Stewart, J. Watson-Lamprey, K. Wooddell, and R. Youngs (2014). NGA-West2 Research Project, *Earthquake Spectra* **30**, doi: 10.1193/072113EQS209M.
254. Gregor, N., N. A. Abrahamson, G. M. Atkinson, D. M. Boore, Y. Bozorgnia, K. W. Campbell, B. S.-J. Chiou, I. M. Idriss, R. Kamai, E. Seyhan, W. Silva, J. P. Stewart, and R. Youngs (2014). Comparison of NGA-West2 GMPEs, *Earthquake Spectra* **30**, doi: 10.1193/070113EQS186M.
255. Ancheta, T.D., R.B. Darragh, J.P. Stewart, E. Seyhan, W.J. Silva, B.S.J. Chiou, K.E. Wooddell, R.W. Graves, A.R. Kottke, D.M. Boore, T. Kishida, and J.L. Donahue (2014). NGA-West2 database, *Earthquake Spectra* **30**, doi: 10.1193/070913EQS197M.
256. Boore, D. M., J. P. Stewart, E. Seyhan, and G. M. Atkinson (2014). NGA-West 2 equations for predicting the average horizontal component of PGA, PGV, and 5%-damped PSA at spectral periods between 0.01 s and 10.0 s for shallow crustal earthquakes, *Earthquake Spectra* **30**, doi: 10.1193/070113EQS184M.
257. Boore, D.M. and C.A. Goulet (2014). The Effect of sampling rate and anti-aliasing filters on high-frequency response spectra, *Bull. Earthquake Engineering* **12**, 203–216.
258. Boore, D.M. (2014). What do data used to develop ground-motion prediction equations tell us about motions near faults?, *Pure and Applied Geophysics* **171**, 3023—3043, doi: 10.1007/s00024-013-0748-9
259. Stewart, J.P., E. Seyhan, D.M. Boore, and G.M. Atkinson (2013). SSBA13: Vertical Component Ground Motion Prediction Equations for Active Crustal Regions, Chapter 3 in *NGA-West2 Ground Motion Prediction Equations for Vertical Ground Motions*, PEER Report 2013/24, Pacific Earthquake Engineering Research Center, University of California, Berkeley, California.
260. Boore, D.M. and E.M. Thompson (2014). Path durations for use in the stochastic-method simulation of ground motions, *Bull. Seismol. Soc. Am.* **104**, 2541--2552.

261. Stewart, J. P., J. Douglas, M. B. Javanbarg, C. Di Alessandro, Y. Bozorgnia, N. A. Abrahamson, D. M. Boore, K. W. Campbell, E. Delavaud, M. Erdik, and P. J. Stafford (2013). GEM-PEER Task 3 Project: Selection of a Global Set of Ground Motion Prediction Equations, PEER Report 2013/22, Pacific Earthquake Engineering Research Center, University of California, Berkeley, California.
262. Boore, D.M., C. Di Alessandro, and N.A. Abrahamson (2014). A generalization of the double-corner-frequency source spectral model and its use in the SCEC BBP Validation Exercise, *Bull. Seismol. Soc. Am.* **104**, 2387--2398.
263. Stewart, J.P., Boore, D.M., E. Seyhan, and G.M. Atkinson (2016). NGA-West2 equations for predicting vertical-component PGA, PGV, and 5%-damped PSA from shallow crustal earthquakes, *Earthquake Spectra* **32**, 1005--1031.
264. Boore, D.M. and E.M. Thompson (2015). Some revisions to parameters used in stochastic-method simulations of ground motion: durations and crustal amplifications, *Bull. Seismol. Soc. Am.* **105**, 1029—1041.
265. Boore, D.M. (2015). Point-Source Stochastic-Method Simulations of Ground Motions for the PEER NGA-East Project, Chapter 2 in NGA-East: Median Ground-Motion Models for the Central and Eastern North America Region, *PEER Report 2015/04*, Pacific Earthquake Engineering Research Center, 11—49.
266. Boore, D.M. (2015). Adjusting Ground-Motion Intensity Measures to a Reference Site for Which  $V_{s30}=3000$  m/s, *PEER Report 2015/06*, Pacific Earthquake Engineering Research Center, 85 pp.
267. Hollenback, J., C.A. Goulet, and D.M. Boore (2015). Adjustment for Source Depth, chapter 3 in NGA-East: Adjustments to Median Ground-Motion Models for Central and Eastern North America, *PEER Report 2015/08*, Pacific Earthquake Engineering Research Center, 31—66.
268. Boore, D. M. (2015). TSPP--A Collection of FORTRAN Programs for Processing and Manipulating Time Series, *U.S. Geological Survey Open-File Report 2008-1111* (Revision 4.6.2).
269. Boore, D.M. (2016). Determining Generic Velocity and Density Models for Crustal Amplification Calculations, with an Update of the Boore and Joyner (1997) Generic Site Amplification for  $V_s(30)=760$  m/s, *Bull. Seismol. Soc. Am.* **106**, 316—320.
270. Campbell, K.W. and D.M. Boore (2016). Evaluation of Six NEHRP B/C Crustal Amplification Models Proposed for Use in Western North America, *Bull. Seismol. Soc. Am.* **106**, 673—686.
271. Boore, D. M. and T. Kishida (2017). Relations Between Some Horizontal-Component Ground-Motion Intensity Measures Used In Practice, *Bull. Seismol. Soc. Am.* **107**, 334--343.

272. Boore, D. M. and K. W. Campbell (2017). Adjusting central and eastern North America ground-motion intensity measures between sites with different reference-rock site conditions, *Bull. Seismol. Soc. Am.* **107**, 132--148.
273. Stewart, J. P., G. A. Parker, J. A. Harmon, G. M. Atkinson, D. M. Boore, R. B. Darragh, W. J. Silva, and Y. M. A. Hashash (2017). Expert Panel Recommendations for Ergodic Site Amplification in Central and Eastern North America, *PEER 2017/04*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, California, 81 pp.
274. Douglas, J. and D. M. Boore (2018). Peak ground accelerations from large ( $M \geq 7.2$ ) shallow crustal earthquakes: A comparison with predictions from eight recent ground-motion models, *Bull. Earthq. Eng.* **16**, 1-21.
275. Kkallas, C., C. B. Papazachos, B. N. Margaris, D. Boore, C. Ventouzi, and A. Skarlatoudis (2018). Stochastic strong ground motion simulation of the Southern Aegean Sea Benioff zone intermediate-depth earthquakes, *Bull. Seismol. Soc. Am.* **108**, 946-965.
276. Kkallas, C., C. B. Papazachos, D. Boore, C. Ventouzi, and B. N. Margaris (2018). Historical intermediate-depth earthquakes in the Southern Aegean Sea Benioff zone: Modeling their anomalous macroseismic patterns with stochastic ground-motion simulations, *Bull. Earthq. Eng.* **16**, 5121-5150.
277. Boore, D. M. (2018). Ground-motion models for very-hard rock sites in eastern North America: An update, *Seismol. Res. Letters* **89**, 1172-1184.
278. Wang, P., J. P. Stewart, Y. Bozorgnia, D. M. Boore, and T. Kishida (2018). "R" Package for Computation of Earthquake Ground-Motion Response Spectra, *PEER Report 2017/09*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, California, 34 pp.
279. Kottke, A., N. A. Abrahamson, D. M. Boore, Y. Bozorgnia, C. Goulet, J. Hollenback, T. Kishida, A. Der Kiureghian, O.-J. Ktenidou, N. Kuehn, E. M. Rathje, W. J. Silva, E. Thompson, and X. Wang (2018). Selection of Random Vibration Procedures for the NGA-East Project, *PEER Report 2018/05*, Pacific Earthquake Engineering Research Center, University of California, Berkeley, California, 46 pp.
280. Stewart, J. P., G. A. Parker, G. M. Atkinson, D. M. Boore, Y. M. A. Hashash, and W. J. Silva (2019). Ergodic site amplification model for central and eastern North America, *Earthquake Spectra*, <https://doi.org/10.1177/8755293019878185>.
281. Boore, D. M. (2020). Revision of Boore (2018) ground-motion predictions for central and eastern North America: Path and offset adjustments and extension to  $200 \text{ m/s} \leq V_{S30} \leq 3000 \text{ m/s}$ , *Seismol. Res. Letters*, (in press).