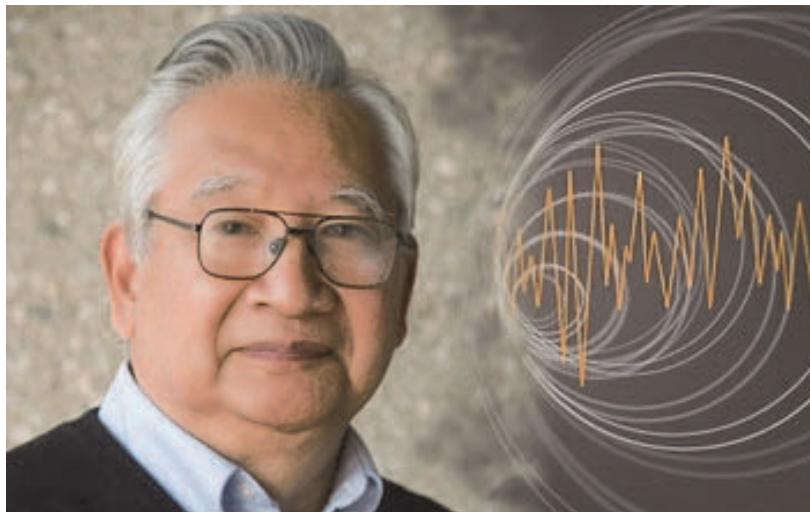


金森博雄博士の御略歴



金森 博雄

Hiroo Kanamori

カリフォルニア工科大学名誉教授

Professor Emeritus, California Institute of Technology

教育歴

1959 Bachelor of Science, University of Tokyo

1961 Masters of Science, University of Tokyo

1964 Ph.D., University of Tokyo (理学博士)

職歴

1965-1966 Research Fellow, California Institute of Technology

1966-1970 Associate Professor, University of Tokyo

1969-1970 Visiting Professor, Massachusetts Institute of Technology

1970-1972 Professor, University of Tokyo

1972-2005 Professor, California Institute of Technology

1989-2005 John E. and Hazel S. Smits Professor of Geophysics
California Institute of Technology

1990-1998	Director, Seismological Laboratory, California Institute of Technology
2005-present	Professor Emeritus, California Institute of Technology

賞 Prize

- 1985 President, Seismological Society of America
1992 Harry Fielding Reid Medal, Seismological Society of America
1993 Arthur L. Day Prize, National Academy of Sciences
1994 California Scientist of the Year Award, California Science Center
1995 Asahi Prize, Asahi Shimbun
1996 Walter H. Bucher Medal, American Geophysical Union
2004 Japanese Academy Prize (日本学士院賞)
2005 Person of Cultural Merit (文化功労者)
2005 Japan Society for the Promotion of Science Award for Eminent
Scientists, Disaster Prevention Research Inst., Kyoto Univ.
(日本学術振興会外国人招へい研究者)
2007 Kyoto Prize, Inamori Foundation (稻盛財団京都賞)
2012 National Academy of Sciences (USA)

金森博雄先生の京大におけるご講演、セミナーの足跡

2002年9月14日（土）～16日（月）

関西セミナーハウス

講演1：Global Seismicity, Earthquake Rupture Process, and Scaling Relations

講演2：Microscopic Physics of Earthquakes and Its Implications for Disaster Mitigation

（注）防災研究所一般研究集会 14K-10 として

2002年9月～11月（9/24, 10/1, 8, 15, 22, 29, 11/5, 19 の8回, 14～16時）

京都大学宇治キャンパス本館 D570室

地震学特別講義

2005年11月11日（金）

木質ホール

From Real-time Seismology to Earthquake Early Warning

（注）「次世代型防災研究戦略の構築」 第3回研究集会での講演

2006年6月22日（木）

京都大学防災研究所（本館5F 講義室（D570））3. プログラム

「地震の早期警報－現状と未来－」“Earthquake Early Warning --Present and Future”

（注）【情報通信技術を利用した今後の防災研究のあり方に関する検討会】「地震の早期警報－現状と未来－」での講演

2005年10月12日

理学部6号館201号室

古い地震記録による最近の地震活動の評価

2005年11月15日

理学部1号館、地鉱・大会議室

The energy budget of the 2004 Sumatra-Andaman Earthquake and its implications for rupture physics

2006年4月～5月（4/18, 4/25, 5/9, 5/23, 5/30）

理2号館1階第3講義室

地震学特別講義

2007 年 11 月 7 日

宇治キャンパス 総合研究実験棟 2 階 化学研究所 講義室 (CB207)

金森博雄先生 京都賞受賞記念シンポジウム 「 c^3 (シーキューブ) – 地震学新時代への
鍵」

2008 年 10 月 10 日

宇治キャンパス E 棟 2 階 (E232D 室)

The July 29 2008, Chino Hills Earthquake and the performance of Caltech online
Earthquake early warning system

Publication List

Matumoto, H., and Kanamori, H., 1959, Simple electronic seismographs supplied only with commercial A.C. source [in Japanese]: Tokyo Univ. Earthquake Res. Inst. Bull., v. 37, p. 375-380.

Tomoda, Y., and Kanamori, H., 1960, Self exciting short period bifilar gravity pendulum designed for the purpose of gravity measurement on board a moving vessel. Part 3 [in Japanese]: Geod. Soc. Japan J., v. 6, p. 39-46.

Tsuboi, C., Tomoda, Y., and Kanamori, H., 1961, Continuous measurements of gravity on board a moving surface ship: Proc. Japan Acad. Sci., v. 37, p. 571-576.

Uyeda, S., Tomoda, Y., Horai, K., Kanamori, H., and Futi, H., 1961, Studies of the thermal state of the earth. The seventh paper -- a sea bottom thermogradiometer: Tokyo Univ. Earthquake Res. Inst. Bull., v. 39, p. 115-131.

Kanamori, H., 1962, A review of gravity measurements at sea [in Japanese]: Zisin, v. 15, p. 325-340.

Tomoda, Y., and Kanamori, H., 1962, Tokyo surface ship gravity meter [with English abs.]: Geod. Soc. Japan J., v. 7, p. 116-145.

Kanamori, H., 1963a, Dependence of phase velocity of Rayleigh waves on the vertical distribution of elastic constants [with Japanese abs.]: Tokyo Univ. Earthquake Res. Inst. Bull., v. 41, p. 781-800.

Kanamori, H., 1963b, Study on the crust-mantle structure in Japan, Pt. 1, Analysis of gravity data [with Japanese abs.]: Tokyo Univ. Earthquake Res. Inst. Bull., v. 41, p. 743-759.

Kanamori, H., 1963c, Study on the crust-mantle structure in Japan. Pt. 3, Analysis of surface wave data [with Japanese abs.]: Tokyo Univ. Earthquake Res. Inst. Bull., v. 41, p. 801-818.

Kanamori, H., 1963d, Study on the crust-mantle structure in Japan. Pt. 2, Interpretation of the results obtained by seismic refraction studies in connection with the study of gravity and laboratory experiments [with Japanese abs.]: Tokyo Univ. Earthquake Res. Inst. Bull., v. 41, p. 761-779.

Kishinouye, F., Y. Yamazaki, H. Kobayashi, H. Kanamori, and S. Koresawa, 1963, A submarine seismograph: Tokyo Univ. Earthquake Res. Inst. Bull., v. 41, p. 819-824.

Saito, M., and Kanamori, H., 1963a, Analysis of two-dimensional gravity problem by an automatic computer: Geod. Soc. Japan J., v. 9, p. 7-13.

Saito, M., and Kanamori, H., 1963b, A new method for downward continuation of two-dimensional gravity distribution: Proc. Japan Acad., v. 39, p. 469-473.

Takeuchi, H., Kanamori, H., and Saito, M., 1963, Absence of spectral peaks in short-period oscillations from the Chilean earthquake: J. Geophys. Res., v. 68, p. 4884.

Kanamori, H., 1964, Gravity anomalies and the crust-mantle structure in Japan [in Japanese with English abs.]: J. Geography, v. 73, p. 53-56.

Mizutani, H., and Kanamori, H., 1964, Variation of elastic wave velocity and attenuative property near the melting temperature: J. Phys. Earth, v. 12, p. 43-49.

Kanamori, H., and Mizutani, H., 1965, Ultrasonic measurement of elastic constants of rocks under high pressures [with Japanese abs.]: Tokyo Univ. Earthquake Res. Inst. Bull., v. 43, p. 173-194.

Takeuchi, H., and Kanamori, H., 1966, Equations of state of matter from shock wave experiments: Jour. Geophys. Res., v. 71, p. 3985-3994.

Kanamori, H., 1967a, Attenuation of P-waves in the upper and lower mantle [with Japanese abs.]: Tokyo Univ. Earthquake Res. Inst. Bull., v. 45, p. 299-312.

Kanamori, H., 1967b, Comparison on gravity interpretation methods: J. Geophys. Res., v. 72, p. 583-587.

Kanamori, H., 1967c, Spectrum of P and PcP in relation to the mantle-core boundary and attenuation in the mantle: Jour. Geophys. Res., v. 72, p. 559-571.

Kanamori, H., 1967d, Spectrum of short-period core phases in relation to the attenuation in the mantle: J. Geophys. Res., v. 72, p. 2181-2186.

Kanamori, H., 1967e, Upper mantle structure from apparent velocities of P-waves recorded at Wakayama micro-earthquake observatory [with Japanese abs.]: Tokyo Univ. Earthquake Res. Inst. Bull., v. 45, p. 657-678.

Mizutani, H., and Kanamori, H., 1967, Electrical conductivities of rock-forming minerals at high temperatures: J. Phys. Earth, v. 15, p. 25-31.

Anderson, D.L., and Kanamori, H., 1968, Shock-wave equations of state for rocks and minerals: Jour. Geophys. Res., v. 73, p. 6477-6502.

Fujisawa, H., Fujii, N., Mizutani, H., Kanamori, H., and Akimoto, S., 1968, Thermal diffusivity of Mg₂SiO₄, Fe₂SiO₄, and NaCl at high pressures and temperatures: J. Geophys. Res., v. 73, p. 4727-4733.

Kanamori, H., 1968, Travel times to Japanese stations from Longshot and their geophysical implications [with Japanese abs.]: Tokyo Univ. Earthquake Res. Inst. Bull., v. 46, p. 841-859.

Kanamori, H., and Abe, K., 1968a, Deep structure of island arcs as revealed by surface waves [with Japanese abs.]: Tokyo Univ. Earthquake Res. Inst. Bull., v. 46, p. 1001-1025.

Kanamori, H., and Abe, K., 1968b, Digital processing of surface waves and structure of island arcs: J. Phys. Earth, v. 16, p. 137-140.

Kanamori, H., Fujii, N., and Mizutani, H., 1968, Thermal diffusivity measurement of rock-forming minerals from 300° to 1,100 °K: J. Geophys. Res., v. 73, p. 595-605.

Takeuchi, H., and Kanamori, H., 1968, Crustal deformations before and after great earthquakes and the mantle convection [in Japanese]: Tokyo Univ. Geophys. Notes, v. 21, no. 12.

Kanamori, H., Mizutani, H., and Fujii, N., 1969, Method of thermal diffusivity measurement: J. Phys. Earth, v. 17, p. 43-53.

Abe, K., and H. Kanamori, 1970, Mantle structure beneath the Japan Sea as revealed by surface waves: Tokyo Univ. Earthquake Res. Inst. Bull., v. 48, p. 1011-1021.

Horai, K., Simmons, G., Kanamori, H., and Wones, D., 1970, Thermal diffusivity and conductivity of lunar material: Science, v. 167, p. 730-731.

Kanamori, H., 1970a, The Alaska earthquake of 1964: Radiation of long-period surface waves and source Mechanism: *J. Geophys. Res.*, v. 75, p. 5029-5040.

Kanamori, H., 1970b, Mantle beneath the Japanese arc: *Phys. Earth Planet. Int.*, v. 3, p. 475-483.

Kanamori, H., 1970c, Recent developments in earthquake prediction research in Japan: *Tectonophysics*, v. 9, p. 291-300.

Kanamori, H., 1970d, Seismological evidence for heterogeneity of the mantle: *J. Geomagnet. Geoelec.*, v. 22, p. 53-70.

Kanamori, H., 1970e, Synthesis of long-period surface waves and its application to earthquake source studies - Kurile Islands earthquake of October 13, 1963: *J. Geophys. Res.*, v. 75, p. 5011-5027.

Kanamori, H., 1970f, Velocity and Q of mantle waves: *Phys. Earth Planet. Int.*, v. 2, p. 259-275.

Kanamori, H., and Miyamura, S., 1970, Seismometrical re-evaluation of the Great Kanto earthquake of September 1, 1923: *Tokyo Univ. Earthquake Res. Inst. Bull.*, v. 48, p. 115-125.

Kanamori, H., Nur, A., Chung, D., and Simmons, G., 1970, Elastic wave velocities of lunar samples at high pressures and their geophysical implications, in *Proc. of the Apollo 11 Lunar Sci. Conf.*, p. 2289-2293.

Kanamori, H., and Press, F., 1970, How thick is the lithosphere? *Nature*, v. 226, p. 330-331.

Kanamori, H., Mizutani H., and Hamano Y., 1971, Elastic wave velocities of Apollo 12 rocks at high pressures, in *Proc. of the Second Lunar Sci. Conf.*, v. 3, p. 2323-2326.

Kanamori, H., 1971a, Faulting of the great Kanto earthquake of 1923 as revealed by seismological data: *Tokyo Univ. Earthquake Res. Inst. Bull.*, v. 49, p. 13-18.

Kanamori, H., 1971b, Focal mechanism of the Tokachi-Oki earthquake of May 16, 1968: Contortion of the lithosphere at a junction of two trenches: *Tectonophysics*, v. 12, p. 1-13.

Kanamori, H., 1971c, Great earthquakes at island arcs and the lithosphere: Tectonophysics, v. 12, p. 187-198. .

Kanamori, H., 1971d, Seismological evidence for a lithospheric normal faulting - the Sanriku earthquake of 1933: Phys. Earth Planet. Int., v. 4, p. 289-300.

Kanamori, H., and Tsumura, K., 1971, Spatial distribution of earthquakes in the Kii peninsula, Japan, south of the median tectonic line: Tectonophysics, v. 12, p. 327-342.

Kanamori, H., 1972a, Determination of effective tectonic stress associated with earthquake faulting. The Tottori earthquake of 1943: Phys. Earth Planet. Int., v. 5, p. 426-434.

Kanamori, H., 1972b, Mechanism of Tsunami earthquakes: Phys. Earth Planet. Int., v. 6, p. 346-359.

Kanamori, H., 1972c, Relation between tectonic stress, great earthquakes and earthquake swarms: Tectonophysics, v. 14, p. 1-12.

Kanamori, H., 1972d, Tectonic implications of the 1944 Tonankai and the 1946 Nankaido earthquakes: Phys. Earth Planet. Int., v. 5, p. 129-139.

Campbell, R.H., Ellsworth, W.L., Hill, D.P., Page, R.A., Wood, M.D., Alewine, R.W., III, Hanks, T.C., Heaton, T.H., Hileman, J.A., Kanamori, H., Minster, J.B., and Whitcomb, J., 1973, Point Mugu, California earthquake, 21 February 1973, and its aftershocks: Science, v. 182, p. 1127-1129.

Kanamori, H., 1973a, Long-period ground motion in the epicentral area of major earthquakes: Tectonophysics, v. 21, p. 341-356. . Kanamori, H., 1973b, Mode of strain release associated with major earthquakes in Japan: An. Earth Planet Sci., v. 1, p. 213-239. .

Kanamori, H., 1973, Source mechanism of the Alaskan earthquake of 1964 from amplitudes of free oscillations and surface waves - comments: Phys. Earth and Planetary Interiors, v. 7, p.219-224.

Wu, F., and Kanamori, H., 1973, Source mechanism of Feb. 4, 1965, Rat Island Earthquake: J. Geophys. Res., v. 78, p. 6082-6092.

Kanamori, H., 1974, Earthquake Prediction: Engineering & Science, v. 38, p. 18-21.

Kanamori, H., and Chung, W.-Y., 1974, Temporal changes in P-wave velocity in southern California: Tectonophysics, v. 23, p. 67-78.

Kanamori, H., and Cipar, J.J., 1974, Focal processes of the Great Chilean earthquake May 22, 1960: Phys. Earth Planet. Int., v. 9, p. 128-136.

Hart, R.S., and Kanamori, H., 1975, Search for compression before a deep earthquake: Nature, v. 253, p. 333-335.

Kanamori, H., and Anderson, D.L., 1975a, Amplitude of the earth's free oscillations and long-period characteristics of the earthquake source: Jour. Geophys. Res., v. 80, p. 1075-1078.

Kanamori, H., and Anderson, D.L., 1975b, Theoretical basis of some empirical relations in seismology: Bull. Seismol. Soc. Am., v. 65, no. 5, p. 1073-1095.

Kanamori, H., and Hadley, D., 1975, Crustal structure and temporal velocity change in southern California: Pure and Appl. Geophys., v. 113, p. 257-280.

Chung, W.-Y., and Kanamori, H., 1976, Source process and tectonic implications of the Spanish deep focus earthquake of March 29, 1954: Phys. Earth Planet. Int., v. 13, p. 85-96.

Liu, H-P., Anderson, D.L., and Kanamori, H., 1976, Velocity dispersion due to anelasticity: Implications for seismology and mantle composition: Geophys. J. Roy. Astron. Soc., v. 47, p. 41-58.

Hart, R.S., Anderson, D.L., and Kanamori, H., 1976, Shear velocity and density of an attenuating earth: Earth and Planet. Sci. Lett., v. 32, p. 25-34.

Kanamori, H., 1976a, Are earthquakes a major cause of the Chandler wobble? Nature, v. 262, p. 254-255.

Kanamori, H., 1976b, Re-examination of the Earth's free oscillations excited by the Kamchatka earthquake of November 4, 1952: Phys. Earth Planet. Int., v. 11, p. 216-226.

Kanamori, H., and Fuis, G., 1976, Variation of P-wave velocity before and after the Galway Lake earthquake (ML = 5.2) and the Goat Mountain earthquakes

(ML = 4.7, 4.7), 1975, in the Mojave Desert, California: Bull. Seismol. Soc. Am., v. 66, no. 6.

Kanamori, H., and Stewart, G.S., 1976, Mode of the strain release along the Gibbs fracture zone, Mid-Atlantic ridge: Phys. Earth Planet. Int., v. 11, p. 312-332.

Anderson, D.L., Kanamori, H., Hart, R.S., and Liu, H.-L., 1977, The earth as a seismic absorption band: Science, v. 196, p. 1104-1106.

Geller, R.J., and Kanamori, H., 1977, Magnitudes of great shallow earthquakes from 1904 to 1952: Bull. Seismol. Soc. Am., v. 67, p. 587-598.

Hadley, D., and Kanamori, H., 1977, Seismic structure of the Transverse Ranges, California: Geol. Soc. Am., Bull., v. 88, p. 1469-1478.

Hart, R.S., Anderson, D.L., and Kanamori, H., 1977, The effect of attenuation of gross earth models: J. Geophys. Res., v. 82, no. 11, p. 1647-1654.

Hart, R.S., Butler, R., and Kanamori, H., 1977, Surface-wave constraints on the August 1, 1975, Oroville earthquake: Bull. Seismol. Soc. Am., v. 67, p. 1-7.

Ishida, M., and Kanamori, H., 1977, The spatio-temporal variation of seismicity before the 1971 San Fernando earthquake, California: Geophys. Res. Lett., v. 4, p. 345-346.

Kanamori, H., 1977, Predicting Earthquakes: Engineering and Science, Mar.-Apr, 1977.

Kanamori, H., 1977a, The energy release in great earthquakes: J. Geophys. Res., v. 82, p. 2981-2876.

Kanamori, H., 1977b, Seismic and aseismic slip along subduction zones and their tectonic implications, AGU Geophys. Mono., 163-174 p.

Kanamori, H., and Anderson, D.L., 1977, Importance of physical dispersion in surface-wave and free-oscillation problems - Review: Rev. Geophys. Space Phys., v. 15, p. 105-112.

Chung, W.-Y., and Kanamori, H., 1978a, A mechanical model for plate deformation associated with aseismic ridge subduction in the New Hebrides arc: Tectonophysics, v. 50, p. 29-40.

Chung, W.-Y., and Kanamori, H., 1978b, Subduction process of a fracture zone and aseismic ridges -- the focal mechanism and source characteristics of the New Hebrides earthquake of January 19, 1969 and some related events: *Geophys. J. Roy. Astron. Soc.*, v. 54, p. 221-240.

Geller, R.J., Kanamori, H., and Abe, K., 1978, Addenda and Corrections to "Magnitude of Great Shallow Earthquakes from 1904 to 1952": *Bull. Seismol. Soc. Am.*, v. 68, no. No. 6, p. 1763-1764.

Hadley, D., and Kanamori, H., 1978, Recent seismicity in the San Fernando region and tectonics in the west-central Transverse Ranges, California: *Bull. Seismol. Soc. Am.*, v. 68, p. 1449-1457.

Ishida, M., and Kanamori, H., 1978, The foreshock activity of the 1971 San Fernando earthquake, California: *Bull. Seismol. Soc. Am.*, v. 68, p. 1265-1279.

Kanamori, H., 1978a, Nature of seismic gaps and foreshocks, in Proc. Conference VI, Methodology for Identifying Seismic Gaps and Soon-to-break Gaps, USGS Open File Report 78-943, p. 319-334.

Kanamori, H., 1978b, Quantification of earthquakes: *Nature*, v. 271, no. 5644, p. 411-414.

Kanamori, H., 1978c, Quantification of great earthquakes: *Tectonophysics*, v. 49, p. 207-212.

Kanamori, H., 1978d, Use of seismic radiation to infer source parameters: Proc. of USGS 3rd Conf. on Fault Mechanics and its Relation to Earthquake Prediction: U.S.G.S. Open-File Report 78-380.

Kanamori, H., and Jennings, P.C., 1978, Determination of local magnitude ML from strong motion accelerograms: *Bull. Seismol. Soc. Am.*, v. 68, p. 471-485.

Kanamori, H., and Stewart, G.J., 1978, Seismological aspects of the Guatemala earthquake of February 4, 1976: *J. Geophys. Res.*, v. 83, p. 3427-3434.

McNally, K.C., Kanamori, H., Pechmann, J.C., and Fuis, G., 1978, Earthquake swarm along the San Andreas fault near Palmdale, southern California, 1976 to 1977: *Science*, v. 201, p. 814-817.

Abe, K., and Kanamori, H., 1979, Temporal variation of the activity of intermediate and deep focus earthquakes: *J. Geophys. Res.*, v. 84, p. 3589-3595.

Butler, R., Stewart, G.S., and Kanamori, H., 1979, The July 27, 1976 Tangshan, China earthquake - A complex sequence of intraplate events: *Bull. Seismol. Soc. Am.*, v. 69, no. 1, p. 207-220.

Carlson, R., Kanamori, H., and McNally, K., 1979, A survey of micro-earthquake activity along the San Andreas fault from Carrizo Plains to Lake Hughes: *Bull. Seismol. Soc. Am.*, v. 69, no. 1, p. 177-186.

Hadley, D., and Kanamori, H., 1979, Regional S-wave variation for southern California from the analysis of teleseismic Rayleigh waves: *Geophys. J. Roy. Astron. Soc.*, v. 58, p. 655-666.

Hanks, T., and Kanamori, H., 1979, A moment magnitude scale: *J. Geophys. Res.*, v. 84, no. B5, p. 2348-2350.

Jennings, P.C., and Kanamori, H., 1979, Determination of local magnitude, ML, from seismoscope records: *Bull. Seismol. Soc. Am.*, v. 69, no. 4, p. 1267-1288.

Kanamori, H., 1979a, Earthquake source mechanisms and plate tectonics: *Rev. Geophys. Space Phys.*, v. 17, no. 2, p. 337-343.

Kanamori, H., 1979b, A semi-empirical approach to prediction of long-period ground motions from great earthquakes: *Bull. Seismol. Soc. Am.*, v. 69, p. 1645-1670.

Kanamori, H., and Abe, K., 1979, Reevaluation of the turn-of-the century seismicity peak: *J. Geophys. Res.*, v. 84, p. 6131-6139.

Kanamori, H., and Stewart, G.S., 1979, A slow earthquake: *Phys. Earth and Planet. Int.*, v. 18, p. 167-175.

Uyeda, S., and Kanamori, H., 1979, Back-arc opening and the mode of subduction: *J. Geophys. Res.*, v. 84, p. 1049-1061.

Abe, K., and Kanamori, H., 1980, Magnitude of great shallow earthquakes from 1953 to 1977: *Tectonophysics*, v. 62, p. 191-203.

Butler, R., and Kanamori, H., 1980, Long-period ground motion from a great earthquake: *Bull. Seismol. Soc. Am.*, v. 70, p. 943-961.

Chung, W.-Y., and Kanamori, H., 1980, Variation of seismic source parameters and stress drops within a descending slab and its implications in plate mechanics: *Phys. Earth Planet. Int.*, v. 23, p. 134-159.

Goodstein, J.R., Kanamori, H., and Lee, W.H.K., eds., 1980, Seismology microfiche publications from the Caltech archives: *Bull. Seismol. Soc. Am.*, v. 70, p. 657-658.

Ishida, M., and Kanamori, H., 1980, Temporal variation of seismicity and spectrum of small earthquakes preceding the 1952 Kern County, California, earthquake: *Bull. Seismol. Soc. Am.*, v. 70, p. 509-527.

Kanamori, H., 1980, The state of stress in the Earth's lithosphere (Course LXXVIII), in Dziewonski, A.M., and Boschi, E., eds., *Physics of the Earth's Interior*: Amsterdam, North-Holland, p. 531-554.

Kanamori, H., 1980, Determination of Earthquake Parameters: *EOS*, v. 61, p. 62-64.

Lay., T., and Kanamori, H., 1980, Earthquake doublets in the Solomon Islands: *Phys. Earth and Planet. Int.*, v. 21, p. 283-304.

Liu, H.-L., and Kanamori, H., 1980, Determination of source parameters of mid-plate earthquakes from the waveforms of body waves: *Bull. Seismol. Soc. Am.*, v. 70, p. 1989-2004.

Ruff, L., and Kanamori, H., 1980, Seismicity and the subduction process: *Phys. Earth Planet. Int.*, v. 23, p. 240-252.

Boore, D.M., Sims, J.D., Kanamori, H., and Harding, S., 1981, The Montenegro, Yugoslavia, earthquake of April 15, 1979: source orientation and strength: *Phys. Earth Planet. Int.*, v. 27, p. 133-142.

Fujita, K., and Kanamori, H., 1981, Double seismic zones and stresses of intermediate depth earthquakes: *Geophys. J. Roy. Astron. Soc.*, v. 66, p. 131-156.

Kanamori, H., 1981, The nature of seismicity patterns before large earthquakes, in Ewing, M., ed., Series 4: *Earthquake Prediction - An International Review*, AGU Geophys. Mono.: Washington D.C., p. 1-19.

Kanamori, H., and Given, J.W., 1981, Use of long-period surface waves for rapid determination of earthquake source parameters: Phys. Earth Planet. Int., v. 27, p. 8-31.

Kanamori, H., and Regan, J., 1981, Long-period surface waves generated by the Imperial Valley earthquake of 1979, The Imperial Valley California earthquake of October 15, 1979: USGS Prof. Paper 1254, no. The Imperial Valley California earthquake of October 15, 1979, p. 55-58.

Lay, T., and Kanamori, H., 1981, An asperity model of great earthquake sequences, Earthquake Prediction - An International Review, AGU Geophys. Mono.: Washington, D.C., p. 579-592.

Niazi, M., and Kanamori, H., 1981, Source parameters of 1978 Tabas and 1979 Qainat, Iran, earthquakes from long-period surface waves: Bull. Seismol. Soc. Am., v. 71, no. 4, p. 1201- 1213.

Rudnicki, J.W., and Kanamori, H., 1981, Effects of fault interaction on moment, stress drop and strain energy release: J. Geophys. Res., v. 86, p. 1785-1793.

Eissler, H., and Kanamori, H., 1982, A large normal-fault earthquake at the junction of the Tonga trench and the Louisville ridge: Phys. Earth Planet. Int., v. 29, p. 161-172.

Given, J.W., Wallace, T.C., and Kanamori, H., 1982, Teleseismic analysis of the 1980 Mammoth Lakes earthquake sequence: Bull. Seismol. Soc. Am., v. 72, p. 1093-1109.

Kanamori, H., and Regan, J., 1982, Long-Period Surface Waves, in USGS Professional Paper 1254, The Imperial Valley, California, Earthquake of October 15, 1979.

Kanamori, H., and Given, J.W., 1982a, Analysis of long-period seismic waves excited by the May 18, 1980, eruption of Mount St. Helens - a terrestrial monopole? J. Geophys. Res., v. 87, p. 5422-5432.

Kanamori, H., and Given, J.W., 1982b, Use of long-period surface waves for fast determination of earthquake source parameters; 2. Preliminary determination of source mechanism of large earthquakes ($M_s \geq 6.5$) in 1980: Phys. Earth Planet. Int., v. 30, p. 260-268.

Kanamori, H., and McNally, K.C., 1982, Variable rupture mode of the subduction zone along the Ecuador-Colombia coast: Bull. Seismol. Soc. Am., v. 72, p. 1241-1253.

Kikuchi, M., and Kanamori, H., 1982, Inversion of complex body waves: Bull. Seismol. Soc. Am., v. 72, p. 491-506.

Lay, T., Given, J.W., and Kanamori, H., 1982, Long period mechanism of the November 8, 1980 Eureka, California earthquake: Bull. Seismol. Soc. Am., v. 72, p. 439-456.

Lay, T., Kanamori, H., and Ruff, L., 1982, The asperity model and the nature of large subduction zone earthquakes: Earthquake Prediction Research, v. 1, p. 3-71.

Nakanishi, I., and Kanamori, H., 1982, Effects of lateral heterogeneity and source process time on the linear moment tensor inversion of long-period Rayleigh waves: Bull. Seismol. Soc. Am., v. 72, p. 2063-2080.

Pechmann, J.C., and Kanamori, H., 1982, Waveforms and spectra of preshocks and aftershocks of the 1979 Imperial Valley, California, earthquake: evidence for fault heterogeneity? J. Geophys. Res., v. 87, no. B13, p. 10,579-10,597.

Stewart, G.S., and Kanamori, H., 1982, Complexity of rupture in large strike-slip earthquakes in Turkey: Phys. Earth Planet. Int., v. 28, p. 70-84.

Vassiliou, M.S., and Kanamori, H., 1982, The energy release in earthquakes: Bull. Seismol. Soc. Am., v. 72, p. 371-387.

Wallace, T.C., Given, J.W., and Kanamori, H., 1982, A discrepancy between long- and short-period mechanisms of earthquakes near the Long Valley Caldera: Geophys. Res. Lett., v. 10, p. 1131-1134.

Frankel, A., and Kanamori, H., 1983, Determination of rupture duration and stress drop for earthquakes in southern California: Bull. Seismol. Soc. Am., v. 73, p. 1527-1551.

Jennings, P.C., and Kanamori, H., 1983, Effect of distance on local magnitudes found from strong-motion records: Bull. Seismol. Soc. Am., v. 73, no. 1, p. 265-280.

Kanamori, H., 1983a, Global Seismicity (LXXXV Corso), in Kanamori, H., and Boschi, E., eds., Earthquakes: Observation, Theory and Interpretation: Amsterdam, North-Holland, p. 596-608. Kanamori, H., 1983b, Magnitude scale and quantification of earthquakes: Tectonophysics, v. 93, p. 185-199.

Kanamori, H., 1983c, Mechanism of the Coalinga earthquake determined from long-period surface waves in the 1983 Coalinga, California earthquakes, in Bennett, J.H., and Sherburne, R.W., eds., California Department of Conservation, Division of Mines and Geology: Sacramento, p. 233-240.

Kanamori, H., and Given, J.W., 1983a, Lamb pulse observed in nature: Geophys. Res. Lett., v. 10, p. 373-376.

Kanamori, H., and Given, J.W., 1983b, Use of long-period seismic waves for rapid evaluation of Tsunami potential of large earthquakes, in Iwasaki, K.I.a.T., ed., Tsunamis--Their Science and Engineering: Tokyo, Terra Pub. Co., p. 37-49.

Ruff, L., and Kanamori, H., 1983a, The rupture process and asperity distribution of three great earthquakes from long-period diffracted P-waves: Phys. Earth Planet. Int., v. 31, p. 202-230.

Ruff, L., and Kanamori, H., 1983b, Seismic coupling and uncoupling at subduction zones: Tectonophysics, v. 99, p. 99-117.

Sauber, J., McNally, K., Pechmann, J.C., and Kanamori, H., 1983, Seismicity near Palmdale, California, and its relation to strain changes: J. Geophys. Res., v. 88, p. 2213-2219.

Vidale, J., and Kanamori, H., 1983, The October 1980 Earthquake sequence near the New Hebrides: Geophys. Res. Lett., v. 10, no. 12, p. 1137-1140.

Zho, H.-L., Allen, C.R., and Kanamori, H., 1983, Rupture complexity of the 1970 Tonghai and the 1973 Luhuo earthquakes, China, from P-wave inversion, and relationship to surface faulting: Bull. Seismol. Soc. Am., v. 73, p. 1585-1597.

Zhou, H., Liu, R.-L., and Kanamori, H., 1983, Source processes of large earthquakes along the Xianshuihe fault in Southwestern China: Bull. Seismol. Soc. Am., v. 73, p. 537-551.

Astiz, L., and Kanamori, H., 1984, An earthquake doublet in Ometepec, Guerrero, Mexico: Phys. Earth Planet. Int., v. 34, p. 24-45.

Heaton, T., and Kanamori, H., 1984, Seismic potential associated with subduction in the northwestern United States: Bull. Seismol. Soc. Am., v. 74, p. 933-941.

Kanamori, H., Given, J.W., and Lay, T., 1984, Analysis of seismic body waves excited by the Mt. St. Helens eruption of May 18, 1980: J. Geophys. Res., v. 89, p. 1856-1866.

Lay, T., and Kanamori, H., 1984, Geometric effects of global lateral heterogeneity on long-period surface wave propagation: J. Geophys. Res., v. 90, p. 605-621.

Nakanishi, I., and Kanamori, H., 1984, Source mechanisms of twenty-six large shallow earthquakes (Ms 6.5) during 1980 from P-wave first motion and long-period Rayleigh wave data: Bull. Seismol. Soc. Am., v. 74, p. 805-818.

Rundle, J.B., Kanamori, H., and McNally, K.C., 1984, An inhomogeneous fault model for gaps, asperities, barriers and seismicity migration: J. Geophys. Res., v. 89, p. 10,219 - 10,231.

Sanders, C.O., and Kanamori, H., 1984, A seismotectonic analysis of the Anza Seismic Gap, San Jacinto fault zone, Southern California: J. Geophys. Res., v. 89, p. 5873-5890.

Kanamori, H., 1985, A numerical experiment on seismic tsunami warning network for Alaska and the Aleutians: Proc. Intern. Tsunami Symposium, August 6-9, 1985, British Columbia, Canada.

Kanamori, H., and Astiz, L., 1985, The 1983 Akita-Oki Earthquake ($M_w = 7.8$) and its implications for systematics of subduction earthquakes: Earthquake Prediction Research (Tokyo, Japan), v. 3, p. 305-317.

Scott, D.R., and Kanamori, H., 1985, On the consistency of moment-tensor source mechanisms with first-motion data: Phys. Earth Planet. Int., v. 37, p. 97-107.

Tajima, F., and Kanamori, H., 1985a, Aftershock area expansion and mechanical heterogeneity of fault zone within subduction zones: Geophys. Res. Lett., v. 12, p. 345-348.

Tajima, F., and Kanamori, H., 1985b, Global survey of aftershock area expansion patterns: *Phys. Earth Planet. Int.*, v. 40, p. 77-134.

Webb, T.H., and Kanamori, H., 1985, Earthquake focal mechanisms in the Eastern Transverse Ranges and San Emigdio Mountains, Southern California and evidence for a regional decollement: *Bull. Seismol. Soc. Am.*, v. 75, p. 737-757.

Zhou, H., Kanamori, H., and Allen, C.R., 1985, Analysis of complex earthquakes and source processes in Longling [in Chinese]: *Acta Geophys. Sinica*, v. 27, p. 523-536.

Astiz, L., and Kanamori, H., 1986, Interplate coupling and temporal variation of mechanisms of intermediate-depth earthquakes in Chile: *Bull. Seismol. Soc. Am.*, v. 76, p. 1614-1622.

Doser, D.I., and Kanamori, H., 1986a, Depth of seismicity in the Imperial Valley Region, (1977-1983) and its relationship to heat flow, crustal structure, and the October 15, 1979, earthquake: *J. Geophys. Res.*, v. 91, p. 675-688.

Doser, D.I., and Kanamori, H., 1986b, Spatial and temporal variations in seismicity in the Imperial Valley (1902-1984): *Bull. Seismol. Soc. Am.*, v. 76, p. 421-438.

Eissler, H., Astiz, L., and Kanamori, H., 1986, Tectonic setting and source parameters of the September 19, 1985, Michoacan, Mexico earthquake: *Geophys. Res. Lett.*, v. 13, p. 569-572.

Eissler, H.K., and Kanamori, H., 1986, Depth estimates of large earthquakes on the island of Hawaii since 1940: *J. Geophys. Res.*, v. 91, p. 2063-2076.

Houston, H., and Kanamori, H., 1986a, Source characteristics of the 1985 Michoacan, Mexico earthquake at periods of 1 to 30 seconds: *Geophys. Res. Lett.*, v. 13, p. 597-600.

Houston, H., and Kanamori, H., 1986b, Source spectra of great earthquakes, teleseismic constraints on rupture process and strong motion: *Bull. Seismol. Soc. Am.*, v. 76, p. 19-42.

Hwang, L., and Kanamori, H., 1986, Of the May 7, 1986 Andreanof Islands earthquake source parameters: *Geophys. Res. Lett.*, v. 13, p. 1426-1429.

Kanamori, H., 1986a, Rupture process of subduction-zone earthquakes: An. Rev. Earth Planet Sci., v. 14, p. 293-322.

Kanamori, H., 1986b, Small science and unexpected discoveries in seismology: Bull. Seismol. Soc. Am., v. 76, no. 5, p. 1501-1503.

Kanamori, H., and Allen, C.R., 1986, Earthquake repeat time and average stress drop, in Das, S., Boatwright, J., and Scholz, C.H., eds., Earthquake Source Mechanics, AGU Geophys. Mono, Maurice Ewing Series: Washington, D.C., p. 227-235.

Kikuchi, M., and Kanamori, H., 1986, Inversion of complex body waves-II: Phys. Earth Planet. Int., v. 43, p. 205-222.

Sanders, C., Magistrale, H., and Kanamori, H., 1986, Rupture patterns and preshocks of large earthquakes in the Southern San Jacinto Fault: Bull. Seismol. Soc. Am., v. 76, p. 1187-1206.

Tanimoto, T., and Kanamori, H., 1986, Linear programming approach to moment tensor inversion of earthquake sources and some tests on the three dimensional structure of the upper mantle: Geophys. J. Roy. Astron. Soc., v. 84, p. 413-430.

Wesnousky, S.G., Astiz, L., and Kanamori, H., 1986, Earthquake multiplets in the Solomon Islands: Phys. Earth Planet. Int., v. 44, p. 304-318.

Astiz, L., Kanamori, H., and Eissler, H., 1987, Source characteristics of earthquakes in the Michoacan seismic gap in Mexico: Bull. Seismol. Soc. Am., v. 77, p. 1326-1346.

Doser, D.I., and Kanamori, H., 1987, Long-period surface waves of four western United States earthquakes recorded by the Pasadena strainmeter: Bull. Seismol. Soc. Am., v. 77, p. 236-243.

Eissler, H.K., and Kanamori, H., 1987, A single-force model for the 1975 Kalapana, Hawaii, earthquake: J. Geophys. Res., v. 92, p. 4827-4836.

Hasegawa, H.S., and Kanamori, H., 1987, Source mechanism of the magnitude 7.2 Grand Banks earthquake of November 1929; Double couple or submarine landslide: Bull. Seismol. Soc. Am., v. 77, p. 1984-2004.

Hwang, L., and Kanamori, H., 1987, Correction to "Source parameters of the May 7, 1986 Andreanof Island earthquake": *Geophys. Res. Lett.*, v. 14, p. 170.

Zhou, Y., and Kanamori, H., 1987, Regional variation of the short-period (1 to 10 second) source spectrum: *Bull. Seismol. Soc. Am.*, v. 77, p. 514-529.

Astiz, L., Lay, T., and Kanamori, H., 1988, Large intermediate-depth earthquakes and the subduction process: *Phys. Earth Planet. Int.*, v. 53, p. 80-166.

Eissler, H. K. and H. Kanamori, Reply: *J. Geophys. Res.*, v. 93, p. 8083-8084.

Ho-Liu, P., Kanamori, H., and Clayton, R.W., 1988, Applications of attenuation tomography to Imperial Valley Coso-Indian Wells Region, southern California: *J. Geophys. Res.*, v. 93, p. 10,501-10,520.

Kanamori, H., 1988, Importance of historical seismograms for geophysical research, in Lee, W.H.K., Meyers, H., and Shimazaki, K., eds., *Historical Seismograms and Earthquakes of the World*: San Diego, Academic Press, p. 16-33.

Kisslinger, C., Mikumo, T., and Kanamori, H., 1988, U.S.-Japan quake prediction research: *EOS Trans. Am. Geophys. Un.*, v. 69, p. 1672-1674.

Sanders, C., Ho-Liu, P., Rinn, D., and Kanamori, H., 1988, Anomalous shear wave attenuation in the shallow crust beneath the Coso volcanic region: *J. Geophys. Res.*, v. 93, p. 3321-3338.

Zhang, J., and Kanamori, H., 1988a, Depths of large earthquakes determined from long-period Rayleigh waves: *J. Geophys. Res.*, v. 93, p. 4850-4868.

Zhang, J., and Kanamori, H., 1988b, Source finiteness of large earthquakes measured from long-period Rayleigh waves: *Phys. Earth Planet. Int.*, v. 52, p. 56-84.

Ho-Liu, P., Montagner, J.P., Kanamori, H., 1989, Comparison of Iterative Back-projection Inversion and Generalized inversion without blocks: Case studies in attenuation tomography: *Geophys. J.*, v. 97, p. 19-29.

Hwang, L.J., and Kanamori, H., 1989, Teleseismic and strong-motion source spectra from two earthquakes in eastern Taiwan: Bull. Seismol. Soc. Am., v. 79, p. 935-944.

Kanamori, H., 1989, A slow seismic event recorded in Pasadena: Geophys. Res. Lett., v. 16, p. 1411-1414.

Kanamori, H., and Magistrale, H., 1989, State of stress in seismic gaps along the San Jacinto fault, in Litehiser, J.J., ed., Observatory Seismology: Berkeley, University of California Press, p. 179-186.

Lay, T., Astiz, L., Kanamori, H., and Christensen, D.H., 1989, Temporal variation of large intraplate earthquakes in coupled subduction zones: Phys. Earth Planet. Int., v. 54, p. 258-312.

Magistrale, H., Jones, L., and Kanamori, H., 1989, The Superstition Hills California earthquake of 24 November 1987: Bull. Seismol. Soc. Am., v. 79, p. 239-251.

Houston, H., and Kanamori, H., 1990, Comparison of Strong-Motion Spectra with Teleseismic Spectra for Three Magnitude 8 Subduction-Zone Earthquakes: Bull. Seismol. Soc. Am., v. 80, p. 913-934.

Hwang, L.J., Magistrale, H., and Kanamori, H., 1990, Teleseismic source parameters and rupture characteristics of the 24 November 1987, Superstition Hills earthquake: Bull. Seismol. Soc. Am., v. 80, p. 43-56.

Kanamori, H., 1990a, Pasadena very-broad-band system and its use for real-time seismology: U. S. G. S. Open-file Report 90-98.

Kanamori, H., 1990b, Pasadena very-broad-band system and its use for real-time seismology, extended abstract for the U.S.-Japan Seminar on Earthquake Prediction, USGS Open-File Report, p. 90-98.

Kanamori, H., Mori, J., and Heaton, T.H., 1990, The 3 December 1988, Pasadena Earthquake (ML = 4.9) recorded with the Very Broadband System in Pasadena: Bull. Seismol. Soc. Am., v. 80, no. 2, p. 483-487.

Kanamori, H., and Satake, K., 1990, Broadband Study of the 1989 Loma Prieta Earthquake: Geophys. Res. Lett., v. 17, p. 1179-1182.

Satake, K., and Kanamori, H., 1990, Fault Parameters and Tsumani Excitation of the May 23, 1989 MacQuarie Ridge Earthquake: Geophys. Res. Lett., v. 17, p. 997-1000.

Kanamori, H., 1991, TERRAscope: IRIS Newsletter X, v. No. 2, no. Summer/Fall.

Kanamori, H., Hauksson, E., and Heaton, T., 1991, TERRAscope and CUBE Project at Caltech: EOS Trans. AGU, v. 72, p. 564.

Kanamori, H., and Ma, K.-F., 1991, Aftershock sequence of the 3 December 1988 Pasadena earthquake: Seismol. Soc. Amer., Bull., v. 81, no. 6, p. 2310-2319.

Kanamori, H., Mori, J., Anderson, D.L., and Heaton, T.H., 1991, Seismic excitation by the space shuttle Columbia: Nature, v. 349, p. 781-782.

Kikuchi, M., and Kanamori, H., 1991, Inversion of complex body waves - III: Bull. Seismol. Soc. Amer., v. 81, p. 2335-2350.

Ma, K.-F., Satake, K., and Kanamori, H., 1991a, The origin of the tsunami excited by the 1989 Loma Prieta earthquake - faulting or slumping: Geophys. Res. Lett., v. 18, p. 637-640.

Ma, K.-F., Satake, K., and Kanamori, H., 1991b, The origin of the tsunami excited by the 1906 San Francisco earthquake: Bull. Seismol. Soc. Am., v. 81, p. 1396-1397.

Satake, K., and Kanamori, H., 1991a, Abnormal tsunamis caused by the June 13, 1984 Torishima, Japan, Earthquake: J. Geophys. Res., v. 96, p. 19,933-19,939.

Satake, K., and Kanamori, H., 1991b, Use of tsunami waveforms for earthquake source study, in Bernard, E.N., ed., Natural Hazards: The Netherlands, Kluwer Academic, p. 193-208.

Huang, W., Silver, L.T., and Kanamori, H., 1992, Non-SAF type focal mechanisms adjacent to the SAF, Mojave Segment: Implications for Blind Thrust Beneath the San Gabriel Mountains, Southern California, in II International Conference on Continental Earthquakes, October 7-10, 1992, Beijing, P. R. China.

Hwang, L., and Kanamori, H., 1992, Rupture Processes of the 1987-88 Gulf of Alaska Earthquake Sequence: *J. Geophys. Res.*, v. 97, p. 19,881-19,908.

Kanamori, H., 1992a, Broadband Study of the 1989 Loma Prieta Earthquake: NEHERP Congressional Report: Loma Prieta Earthquake Professional Paper.

Kanamori, H., 1992b, Medal Citation Response: *Bull. Seismol. Soc. Am.*, v. 82, p. 1556-1557.

Kanamori, H., and Hauksson, E., 1992, A slow earthquake in the Santa Maria Basin, California: *Bull. Seismol. Soc. Am.*, v. 82, p. 2087-2096.

Kanamori, H., and Mori, J., 1992, Harmonic excitation of mantle Rayleigh waves by the 1991 eruption of Mount Pinatubo, Philippines: *Geophys. Res. Lett.*, v. 19, p. 721-724.

Kanamori, H., Mori, J., Sturtevant, B., Anderson, D., and Heaton, T., 1992, Seismic excitation by space shuttles: *Shock Waves Int'l J.*, v. 2, p. 89-96.

Magistrale, H., Kanamori, H., and Jones, C., 1992, Forward and inverse three-dimensional P-wave velocity models of the southern California crust: *J. Geophys. Res.*, v. 97, p. 14,115-14,135.

Takeo, M., and Kanamori, H., 1992, Simulation of long-period ground motions for the 1923 Kanto earthquake ($M=8$): *Bull. Earthquake Res. Institute, Univ. Tokyo*, v. 67, p. 389-436.

Zhao, D., and Kanamori, H., 1992, P-Wave Image of the crust and uppermost mantle in southern California: *Geophys. Res. Lett.*, v. 19, p. 2329-2332.

Helmberger, D., Dreger, D., Stead, R., and Kanamori, H., 1993, Impact of broadband seismology on the understanding of strong motions: *Bull. Seismol. Soc. Am.*, v. 83, p. 830-850.

Huang, W., Silver, L.T., and Kanamori, H., 1993, Non-SAF type focal mechanisms adjacent to the SAF, Mojave Segment: Implications for Blind Thrust Beneath the San Gabriel Mountains, Southern California, in Proc. II International Conf. on Continental Earthquakes, Beijing.

Kanamori, H., 1993a, Excitation of Jovian normal modes by an impact source: *Geophys. Res. Lett.*, v. 20, p. 2921-2924. Kanamori, H., 1993b, Locating

earthquakes with amplitude--Application to Real-Time Seismology: Bull. Seismol. Soc. Am., v. 83, p. 264-268.

Kanamori, H., 1993c, W Phase: Geophys. Res. Lett., v. 20, p. 1691-1694.

Kanamori, H., Ekstrom, G., Dziewonski, A., Barker, J.S., and Sipkin, S.A., 1993, Seismic Radiation by Magma Injection: An Anomalous Seismic Event Near Tori Shima, Japan: J. Geophys. Res., v. 98, p. 6511-6522.

Kanamori, H., Hauksson, E., Hutton, L.K., and Jones, L.M., 1993, Determination of Earthquake Energy Release and ML Using TERRAscope: Bull. Seismol. Soc. Am., v. 83, p. 330-346.

Kanamori, H., Jennings, P.C., Singh, S.K., and Astiz, L., 1993, Estimation of strong ground motions in Mexico City expected for large earthquakes in the Guerrero seismic gap: Bull. Seismol. Soc. Am., v. 83, p. 811-829.

Kanamori, H., and Kikuchi, M., 1993a, The 1992 Nicaragua Earthquake -- a slow tsunami earthquake associated with subducted sediments: Nature, v. 361, p. 714-716.

Kanamori, H., and Kikuchi, M., 1993b, Mechanism of the 1992 Nicaragua Tsunami Earthquake, in Proc. Int'l Tsunami Symp., TSUNAMI '93, Aug. 23-27, Wakayama, Japan.

Kanamori, H., Thio, H.-K., Dreger, D., Hauksson, E., and Heaton, T., 1993, Initial Investigation of the Landers, California, Earthquake of 28 June 1992 using TERRAscope: Geophys. Res. Lett., v. 19, p. 2267-2270.

Kikuchi, M., Kanamori, H., and Satake, K., 1993, Source complexity of the 1988 Armenian earthquake: Evidence for a slow after-slip event: J. Geophys. Res., v. 98, p. 15,797-15,808.

Sieh, K., Jones, L., Hauksson, E., Hudnut, K., Eberhart-Phillips, D., Heaton, T., Hough, S., Hutton, K., Kanamori, H., Lilje, A., Lindvall, S., McGill, S.F., Mori, J., Rubin, C., Spotila, J.A., Stock, J., Thio, H.-K., Treiman, J., Wernicke, B., and Zachariasen, J., 1993, Near-field investigations of the Landers earthquake sequence, April to July, 1992: Science, v. 260, p. 171-176.

Wald, D.J., Kanamori, H., Helmberger, D.V., and Heaton, T.H., 1993, Source Study of the 1906 San Francisco Earthquake: Bull. Seismol. Soc. Am., v. 83, p. 981-1019.

Watada, S., Kanamori, H., and Anderson, D.L., 1993, An analysis of nearfield normal mode amplitude anomalies of the Landers earthquake: Geophys. Res. Lett., v. 20, p. 2611-2614.

Zhao, D., and Kanamori, H., 1993, The 1992 Landers Earthquake Sequence: Earthquake Occurrence and Structural Heterogeneities: Geophys. Res. Lett., v. 20, p. 1083-1086. Ingersoll, A.P., Kanamori, H., and Dowling, T.E., 1994, Atmospheric gravity waves from the impact of comet Shoemaker-Levy 9 with Jupiter: Geophys. Res. Lett., v. 21, p. 1083-1086.

Johnson, J.M., Tanioka, Y., Ruff, L.J., Satake, K., and Kanamori, H., 1994, The 1957 Great Aleutian Earthquake: PAGEOPH, v. 142, p. 3-28.

Jones, C., Kanamori, H., and Roecker, S.W., 1994, Missing Roots and Mantle "Drips": Regional Pn and Teleseismic Arrival Times in the Southern Sierra Nevada and Vicinity, California: J. Geophys. Res., v. 99, p. 4567-4601.

Kanamori, H., 1994, Mechanics of Earthquakes: Ann. Rev. Earth & Planetary Sciences, v. 22, p. 207-237.

Kanamori, H., Mori, J., and Harkrider, D.G., 1994, Excitation of atmospheric oscillations by volcanic eruptions: J. Geophys. Res., v. 99, p. 21,947-21,961.

Kikuchi, M., and Kanamori, H., 1994, The mechanism of the deep Bolivia earthquake of June 9, 1994: Geophys. Res. Lett., v. 21, p. 2341-2344.

Ma, K.-F., and Kanamori, H., 1994, Broadband waveform observation of the June 28, 1991, Sierra Madre earthquake sequence (ML = 5.8): Bull. Seismol. Soc. Am., v. 84, p. 1725-1738.

Scott, J., Hauksson, E., Kanamori, H., and Mori, J., 1994, Global positioning system resurvey of Southern California seismic network stations: Bull. Seismol. Soc. Am., v. 85, p. 361-374.

Zhao, D., Hasagawa, A., and Kanamori, H., 1994, Deep structure of Japan subduction zone as derived from local, regional and teleseismic events: J. Geophys. Res., v. 99, p. 22,313-22,329.

Hauksson, E., Hutton, K., Kanamori, H., Jones, L., Mori, J., Hough, S.E., and Roquemore, G., 1995, Preliminary report on the 1995 Ridgecrest Earthquake sequence in Eastern California: *Seismol. Res. Lett.*, v. 66, no. 6, p. 54-60.

Ingersoll, A.P., and Kanamori, H., 1995a, Waves from the collisions of comet Shoemaker-Levy 9 with Jupiter: *Nature*, v. 374, p. 706-708.

Ingersoll, A.P., and Kanamori, H., 1995b, Waves from the Shoemaker-Levy 9 impacts, in Noll, K.S., Weaver, H.A., and Feldman, P.D., eds., IAU Colloquium 156, The Collision of Comet Shoemaker-Levy 9 and Jupiter, Proceedings Space Telescope Science Institute Workshop, May 9-12, 1995.: Baltimore, Maryland, Cambridge University Press, p. 329-345.

Kanamori, H., 1995a, The Kobe (Hyogo-ken Nanbu), Japan, Earthquake of January 16, 1995: *Seismol. Res. Lett.*, v. 66, p. 6-10.

Kanamori, H., 1995b, Preparing for the unexpected: *Seismol. Res. Lett.*, v. 66, p. 7-8.

Kikuchi, M., and Kanamori, H., 1995a, The Shikotan earthquake of October 4, 1994 a lithospheric earthquake: *Geophys. Res. Lett.*, v. 22, p. 1025-1028.

Kikuchi, M., and Kanamori, H., 1995b, Source characteristics of the 1992 Nicaragua tsunami earthquake inferred from teleseismic body waves: *PAGEOPH*, v. 144, p. 441-453.

Thio, H.K., and Kanamori, H., 1995, Moment-tensor inversions for local earthquakes using surface waves recorded at TERRAscope: *Bull. Seismol. Soc. Am.*, v. 85, p. 1021-1038.

Zhao, D., and Kanamori, H., 1995, The 1994 Northridge earthquake: 3-D crustal structure in the rupture zone and its relation to the aftershock locations and mechanisms: *Geophys. Res. Lett.*, v. 22, p. 763-766.

Huang, W., Silver, L.T., and Kanamori, H., 1996, Evidence for possible horizontal faulting in southern California from earthquake mechanisms: *Geology*, v. 24, p. 123-126.

Kanamori, H., 1996a, Initiation process of earthquakes and its implications for seismic hazard reduction strategy, in Proc. Nat. Acad. Sci., Irvine, CA, Earthquake Prediction: The Scientific Challenge, p. 3726-3731.

Kanamori, H., 1996b, A seismologist's view of VAN, A critical view of VAN, in Lighthill, J., ed., Earthquake Prediction from Seismic Electrical Signals: Singapore, World Scientific, p. 339-346.

Kanamori, H., 1996c, Book review of, Earth's Fury (An Introduction to Natural Hazards and Disasters, by Robert L. Kovach: Prentice-Hall, Inc., p. 214 pp): American Scientist, v. 84, p. 400.

Kanamori, H., and Heaton, T.H., 1996, The wake of a legendary earthquake: Nature News and Views, v. 379, p. 203-204.

Kanamori, H., and Satake, K., 1996, Broadband study of the source characteristics of the earthquake, in The Loma Prieta, California Earthquake of October 17, 1989 - Main shock characteristics, in Spudich, P., ed., USGS Professional Paper, USGS, p. 75-80.

Kedar, S., and Kanamori, H., 1996, Continuous monitoring of seismic energy release associated with the 1994 Northridge earthquake and the 1992 Landers earthquake: Bull. Seismol. Soc. Am., v. 86, p. 255-258.

Kedar, S., Sturtevant, B., and Kanamori, H., 1996, The origin of harmonic tremor at Old Faithful geyser: Nature, v. 379, p. 708-711.

Kikuchi, M., and Kanamori, H., 1996, Rupture process of the Kobe, Japan, earthquake of Jan. 17, 1995 determined from teleseismic body waves: J. Physics Earth, v. 44, p. 429-436.

Mori, J., and Kanamori, H., 1996, Initial rupture of earthquakes in the 1995 Ridgecrest, California sequence: Geophys. Res. Lett., v. 23, p. 2437-2440.

Sturtevant, B., Kanamori, H., and Brodsky, E.E., 1996, Seismic triggering by rectified diffusion in geothermal systems: J. Geophys. Res., v. 101, p. 25,269-25,282.

Thio, H.K., and Kanamori, H., 1996, Source complexity of the 1994 Northridge earthquake and its relation to aftershock mechanisms: Bull. Seismol. Soc. Am., v. 86, p. S84-S92.

Zhao, D., Kanamori, H., and Humphreys, E., 1996, Simultaneous inversion of local and teleseismic data for the crust and mantle structure of southern California: *Phys. Earth Planet. Int.*, v. 93, p. 191-214.

Zhao, D., Kanamori, H., Negishi, H., and Wiens, D., 1996, Tomography of the source area of the 1995 Kobe earthquake: Evidence for fluids at the hypocenter? *Science*, v. 274, p. 1891-1894.

Kanamori, H., Hauksson, E., and Heaton, T., 1997, Real-time seismology and earthquake hazard mitigation: *Nature*, v. 390, p. 461-464.

Ma, K.-F., Kanamori, H., and Satake, K., 1997, Mechanism of the 1975 Kalapana, Hawaii, Earthquake Inferred from Tsunami Data: *J. Geophys. Res.*, v. 104, p. 13,153-13,167.

Polet, J., and Kanamori, H., 1997, Upper-Mantle Shear Velocities Beneath Southern California Determined from Long-Period Surface Waves: *Bull. Seismol. Soc. Am.*, v. 87, p. 200-209.

Takeo, M., and Kanamori, H., 1997, Simulation of long-period ground motion near a large earthquake: *Bull. Seismol. Soc. Am.*, v. 87, p. 140-156.

Zhao, D., Kanamori, H., and Wiens, D., 1997, State of stress before and after the 1994 Northridge earthquake: *Geophys. Res. Lett.*, v. 24, p. 519-522.

Brodsky, E.E., Sturtevant, B., and Kanamori, H., 1998, Earthquakes, volcanoes and rectified diffusion: *J. Geophys. Res.*, v. 103, p. 23,827-23,838.

Deng, J., Gurnis, M., Kanamori, H., and Hauksson, E., 1998, Viscoelastic flow in the lower crust after the 1992 Landers, California earthquake: *Science*, v. 282, p. 1689-1692.

Kanamori, H., 1998, Shaking Without Quaking: *Science*, v. 279, p. 2063-2064.

Kanamori, H., Anderson, D.L., and Heaton, T.H., 1998, Frictional Melting During the Rupture of the 1994 Bolivian Earthquake: *Science*, v. 279, p. 839-842.

Kedar, S., Kanamori, H., and Sturtevant, B., 1998, Bubble Collapse as the source of harmonic tremor at Old Faithful Geyser: *J. Geophys. Res.*, v. 103, p. 24,283-24,299.

Lognonne, P., Clevede, E., and Kanamori, H., 1998, Computation of seismograms and atmospheric oscillation by normal-mode summation for a spherical earth model with realistic atmosphere: *Geophys. J. Int.*, v. 135, p. 388-406.

Mori, J., Kanamori, H., Davis, J., Hauksson, E., Clayton, R., Heaton, T., Jones, L., Shakal, A., and Porcella, R., 1998, Major Improvements in Progress for Southern California Earthquake Monitoring: *EOS Trans. AGU*, v. 79, p. 217-221.

Brodsky, E.E., Kanamori, H., and Sturtevant, B., 1999, A seismically constrained mass discharge rate for the initiation of the May 18, 1980 Mount St. Helens eruption: *J. Geophys. Res.*, v. 104, p. 29,387-29,400.

Kanamori, H., Maechling, P., and Hauksson, E., 1999, Continuous monitoring of ground-motion parameters: *Bull. Seismol. Soc. Am.*, v. 89, p. 311-316.

Sato, T., and Kanamori, H., 1999, Beginning of earthquakes modeled with the Griffith's fracture criterion: *Bull. Seismol. Soc. Am.*, v. 89, p. 80-93.

Wald, D.J., Quitoriano, V., Heaton, T.H., and Kanamori, H., 1999, Relationships between peak ground acceleration, peak ground velocity, and modified Mercalli intensity in California: *Earthquake Spectra*, v. 15, p. 557-564.

Wald, D.J., Quitoriano, V., Heaton, T.H., Kanamori, H., Scrivner, C.W., and Worden, C.B., 1999, TriNet "ShakeMaps": Rapid Generation of Peak Ground Motion and Intensity Maps for Earthquakes in Southern California: *Earthquake Spectra*, v. 15, p. 537-555.

Satriano, C., Wu, T-M., Zollo, A., Kanamori, H., 2010, Earthquake early warning: Concepts, methods and physical grounds, *Soil Dynamics and Earthquake Engineering* ,

Brodsky, E. E., V. Karakostas, and H. Kanamori, A New Observation of Dynamically Triggered Regional Seismicity: Earthquakes in Greece Following the August, 1999 Izmit, Turkey Earthquake, *Geophys. Res. Lett.*, 27, 2741-2744, 2000.

Kanamori, H. and J. Mori, 2000, Microscopic processes on a fault plane and their implications for earthquake dynamics, Seismic Modelling of Earth Structure, Erice Conference, July 1999.

Polet, J. and H. Kanamori, 2000, Shallow subduction zone earthquakes and their tsunamigenic potential, *Geophys. J. Int.*, 142, 684-702.

Scientists from the U.S. Geological Survey, Southern California Earthquake Center, and California Division of Mines and Geology, 2000, Preliminary Report on the 16 October 1999 M 7.1 Hector Mine, California, Earthquake, *Seismological Research Letters*, v. 71, no.1, p. 11-23.

Venkataraman, A., Mori, J., Kanamori, H., and Zhu, L., 2000, Fine structure of the rupture zone of the April 26 and 27, 1997, Northridge aftershocks: *J. Geophys. Res.*, v. 105, p. 19,085-19,093.

Zhu, L., and Kanamori, H., 2000, Moho depth variation in southern California from teleseismic receiver functions: *J. Geophys. Res.*, no. B2, p. 2969-2980.

Kanamori, H., 2000, Earthquake Prediction: An Overview, IASPEI Handbook of Earthquake and Engineering Seismology.

Kanamori, H., and Heaton, T. H., 2000, Microscopic and Macroscopic Physics of Earthquakes, in *GeoComplexity and the Physics of Earthquakes*, *Geophysical Monograph* 120, p. 147-163.

Kanamori, H., 2001, Energy budget of earthquakes and seismic efficiency, in Teisseyre, R., and Majewski, E., eds., *Earthquake Thermodynamics and Phase Transformations in the Earth's Interior*: New York, Academic Press, p. 293-305.

Kanamori, H., and E. E. Brodsky, 2001, The Physics of Earthquakes, *Physics Today*, 54, 34-40.

Brodsky, E. E., and H. Kanamori, 2001, Elastohydrodynamic Lubrication of Faults, *J. Geophys. Res.*, 106(B8), 16357-16374, doi:10.1029/2001JB000430.

Kanamori, H., 2001, Southern California Seismic Network: Caltech/USG Element of TriNet 1997-2001: *Seismological Research Letters*, v. 72, p. 690-704.

Izutani, Y., and Kanamori, H., 2001, Scale-dependence of seismic energy-to-moment ratio for strike-slip earthquakes in Japan: Geophys. Res. Lett., v. 28, no. 20, p. 4007-4010.

Kanamori, H., 2001, Earthquakes: What we know today and what we should do to minimize their impacts: Rafu Magazine, July 2001.

Hough, S.E., and Kanamori, H., 2002, Source properties of earthquakes near the Salton Sea triggered by the Hector Mine earthquake: Bull. Seismol. Soc. Am., v. 92, p. 1281-1289.

Polet, J., and Kanamori, H., 2002, Anisotropy beneath California: Shear wave splitting measurements using a dense broadband array: Geophys. J. Int., v. 149, p. 313-327.

Rivera, L., and Kanamori, H., 2002, Spatial heterogeneity of tectonic stress and friction in the crust: Geophys. Res. Lett., v. 29, no. 6, p. 10.1029/2001GL013803.

Venkataraman, A., Rivera, L., and Kanamori, H., 2002, Radiated energy from the October 16, 1999 Hector Mine Earthquake: Regional and Teleseismic Estimates: Bull. Seismol. Soc. Am., v. 92, no. 4, p. 1256-1265.

Allen, R.M., and Kanamori, H., 2003, The Potential for Earthquake Early Warning in Southern California: Science, v. 300, no. 5620, p. 786-789.

Kanamori, H., 2003, Earthquake Prediction: An Overview, in W.H.K. Lee, Kanamori, H., Jennings, P., and Kisslinger, C., eds., "International Handbook of Earthquake and Engineering Seismology": San Diego, Academic Press, Part B, p. 1205-1216.

Ma, K.-F., Brodsky, E., Mori, J., Ji, C., Song, T.-R., and Kanamori, H., 2003, Evidence for fault lubrication during the 1999 Chi-Chi, Taiwan, Earthquake (Mw7.6) : Geophys. Res. Lett., v. 30, no. 5, p. doi:10.1029/2002GL015380.

Mori, J., Abercrombie, R., and Kanamori, H., 2003, Stress drops and radiated energies of aftershocks of the 1994 Northridge, California, earthquake: J. Geophys. Res., v. 108, no. B11, p. 2545 doi:2510.1029/2001JB000474.

Artru, J., Ducic, V., Kanamori, H., Lognonne, P., and Murakami, M., 2004, Ionospheric detection of gravity waves induced by tsunamis: Geophys J. Int., v. 160, p. 840-848.

Brodsky, E., Gordeev, E., and Kanamori, H., 2004, Landslide basal friction as measured by seismic waves: *Geophys. Res. Lett.*, v. 30, no. 24, p. 2236, doi:10.1029/2003GL018485.

Kanamori, H., 2004a, Diversity of the Physics of Earthquakes: *Proc. Japan Acad. Serial B*, v. 80, p. 297-316 (PDF Reprint - Includes Error) (PDF Reprint - Includes Correction)

Kanamori, H., 2004b, Some fluid-mechanical problems in geophysics-waves in the atmosphere and fault lubrication: *Fluid Dynamics Research*, v. 34, p. 1-19.

Kanamori, H., and Brodsky, E., 2004, The Physics of Earthquakes: *Reports on Progress in Physics*, v. 67, no. 8, p. 1429-1496.

Kanamori, H., and Rivera, L., 2004, Static and Dynamic Scaling Relations for Earthquakes and their implications for Rupture Speed and Stress Drop: *Bull. Seismol. Soc. Am.*, v. 94, no. 1, p. 314-319.

Tinsley, J., Hough, S.E., Yong, A., Kanamori, H., Yu, E., Appel, V., and Wills, C., 2004, Geotechnical Characterization of TriNet Sites: A Status Report: *Seismol. Res. Lett.*, v. 75, no. 4, p. 505-514.

Tsai, V.C., Kanamori, H., and Artru, J., 2004, The Morning Glory Wave in Southern California: *J. Geophys. Res.*, v. 109, no. B02307, p. doi:10.1029/2003JB002596.

Venkataraman, A., and Kanamori, H., 2004a, Effect of directivity on estimates of radiated seismic energy: *J. Geophys. Res.*, v. 109, no. B4, p. B04301 doi:10.1029/2003JB002548.

Venkataraman, A., and Kanamori, H., 2004b, Observational constraints on the fracture energy of subduction zone earthquakes: *J. Geophys. Res.*, v. 109, no. B5, p. B05302, doi:10.1029/2003JB002549.

Xia, K., Rosakis, A., and Kanamori, H., 2004, Laboratory Earthquakes: The sub-Rayleigh-to-supershear rupture transition: *Science*, v. 303 (5665), p. 1859-1861.

Ammon, C.J., Ji, C., Helmberger, D., Lay, T., Hjoreifsdottir, V., Kanamori, H., Ni, S., Thio, H.-K., Robinson, D., Das, S., Hedlin, C., and Wald, D.,

2005, Rupture process of the 2004 Sumatra-Andaman earthquake: *Science*, v. 308 (5725), p. 1133-1139.

Fialko, Y., Rivera, L., Kanamori, H., 2005, Estimate of differential stress in the upper crust from variations in topography and strike along the San Andreas fault: *Geophysical Journal International*, v. 160 (2), p. 527-532.

Kanamori, H., 2005, Real-time seismology and earthquake damage mitigation: *Annu. Rev. Earth Planet. Sci.*, v. 33, p. 195-214.

Lay, T., Kanamori, H., Ammon, C.J., Nettles, M., Ward, S.N., Aster, R., Beck, S.L., Bilek, S.L., Brudzinski, M.R., Butler, R., Deshon, H.R., Ekstrom, G., Satake, K., and Sipkin, S., 2005, The Great Sumatra-Andaman earthquake of December 26, 2004: *Science*, v. 308 (5725), p. 1127-1133.

Ni, S., Kanamori, H., and Helmberger, D., 2005, Energy radiation from the Sumatra earthquake: *Nature*, v. 434 (7033), p.582-582.

Park, J., Song, T.-R.A., Tromp, J., Okal, E., Stein, S., Roult, G., Laski, G., Kanamori, H., Davis, P., Berger, J., Braatenberg, C., Van Camp, M., Lei, X.e., Sun, H., and Xu, H., 2005, Earth's Free Oscillations Excited by the 26 December 2004 Sumatra-Andaman Earthquake : *Science*, v. 308 (5725), p.1139-1144.

Rivera, L., and Kanamori, H., 2005, Representations of the radiated energy in earthquakes: *Geophysical Journal International*, v. 162 (1), p.148-155.

Wu, Y.-M., and Kanamori, H., 2005a, Experiment on an onsite early warning method for the Taiwan early warning system: *Bull. Seismol. Soc. Am.*, v. 95, p. 347-353.

Wu, Y.-M., and Kanamori, H., 2005b, Rapid assessment of damaging potential of earthquakes in Taiwan from the beginning of P waves: *Bull. Seismol. Soc. Am.*, v. 95, p. 1181-1185, doi: 10.1785/0120040193.

Xia, K., Rosakis, A., Kanamori, H., and Rice, J.R., 2005, Laboratory earthquakes along inhomogeneous faults: Directionality and supershear, *Science*, v. 308, p. 681-684.

Kanamori, H., Miyazawa, M., Mori, J., 2006, Investigation of the earthquake sequence off Miyagi prefecture with historical seismograms: Earth, Planets, and Space, v. 58, p. 1533-1541.

Kanamori, H., 2006, Seismological aspects of the December 2004 Great Sumatra-Andaman earthquake: *Earthquake Spectra*, v. 22, p. S1-S12.

Kanamori, H., 2006, Lessons from the 2004 Sumatra-Andaman earthquake: *Transactions of Royal Society A*, v. 364, p. 1927-1945, doi: 10.1098/rsta.2006.1806.

Kanamori, H. and Rivera, L., 2006, Energy partitioning during an earthquake: AGU Chapman Volume, AGU Chapman Volume, *Geophysical Monograph Series* 170, "Earthquakes: Radiated Energy and the Physics of Faulting."

Kanamori, H., 2006, The radiated energy of the 2004 Sumatra-Andaman earthquake: AGU Chapman Volume, *Geophysical Monograph Series* 170, "Earthquakes: Radiated Energy and the Physics of Faulting."

Lockwood, O. G. and Kanamori, H., 2006, Wavelet analysis of the seismograms of the 2004 Sumatra-Andaman earthquake and its application to tsunami early warning: *G-cubed*, v. 7, doi: 10.1029/2006GC001272.

Watada, S., Kunugi, T., Hirata, K., 2006, Atmospheric pressure change associated with the 2003 Tokachi-Oki earthquake: *Geophysical Research Letters*, v. 33, L24306, doi: 10.1029/2006GL027967.

Ammon, C. J., Kanamori, H., Lay, T., and Velasco, A. A., 2006 The 17 July 2006 Java tsunami earthquake: *Geophysical Research Letters*, v. 33, L24308, doi:10.1029/2006GL028005.

Min Chen, M., Jeroen Tromp, J., Helberger, D. V., 2007, Waveform modeling of the slab beneath Japan: *J. Geophysical Research*, v. 112, B02305, doi: 10.1029/2006JB004394.

Wu, Y-M., Kanamori, H., Allen, R., and Hauksson, E., 2007, Determination of earthquake early warning parameters, T_c and P_d , for southern California: *Geophysical Journal International* 170, p. 711-717.

Minson, S. Dreger, D., Burgmann, R., Kanamori, H., and Larson, K., 2007, Seismically and geodetically determined nondouble-couple source mechanisms from the 2000 Miyakejima volcanic earthquake swarm: *J. Geophys. Res.*, v. 112, B10308.

Ammon, C., Kanamori, H., and Lay, T., 2008, A great earthquake doublet and seismic stress transfer cycle in the central Kuril Islands: *Nature* 06521, v. 451,

p. 561-565.

Ammon, C., Kanamori, H., and Lay, T., 2008, A great earthquake doublet and seismic stress transfer cycle in the central Kuril Islands: Supplementary Information, *Nature*, 06521a.

Kanamori, H. , 2008, Earthquake physics and real-time seismology: *Nature*, v. 451, 06585.

Wu, Y-M., and Kanamori, H., 2008 Exploring the feasibility of on-site earthquake early warning using close-in records of the 2007 Noto Hanto earthquake: *Earth, Planets, and Space*, v. 60, p. 155-160.

Wu, Y-M., and Kanamori, H., 2008, Development of an Earthquake Early Warning System Using Real-Time Strong Motion Signals: Sensors, MDPI.

Kanamori, H. and Rivera, L., 2008 Source inversion of W phase: speeding up seismic tsunami warning: *Geophysical Journal International*, 175, 222-238.

Hauksson, E., Felzer, K., Given, D., Giveon, M., Hough, S., Hutton, K., Kanamori, H., Sevilgen, V., Wei, S., and Young, A., 2008. Preliminary Report on the 29 July 2008 Mw 5.4 Chino Hills, Eastern Los Angeles Basin, California, Earthquake Sequence: *Seismol. Res.Lett.* v. 79, No. 6, 855-866.

Tonegawa, T., Hirahara, K., Shibutani, T., Iwamori, H., Kanamori, H. and Shiomi, K., 2008. Water flow to the mantle transition zone inferred from a receiver function image of the Pacific slab, *Earth Planet. Sci. Lett.*, 277, 346–354, doi:10.1016/j.epsl.2008.1007.104.

Hayes, G.P., Rivera, L. and Kanamori, H., 2009. Source Inversion of the W-Phase: Realtime Implementation and Extension to Low Magnitudes, *Seismol. Res. Lett.*, 80, 817-822, doi: 810.1785/gssrl.1780.1785.1817.

Hjörleifssóttir, V., Kanamori, H. and Tromp, J., 2009. Modeling 3-D wave propagation and finite slip for the 1998 Balleny Islands earthquake, *J. Geophys. Res.*, 114, B03301, doi:10.1029/2008JB005975.

Böse, M., Hauksson, E., Solanki, K., Kanamori, H. and Heaton, T.H., 2009. Real-time testing of the on-site warning algorithm in southern California and its performance during the July 29 2008 Mw5.4 Chino Hills earthquake, *Geophys. Res. Lett.*, 36, L00B03, doi:10.1029/2008GL036366.

Lay, T., Kanamori, H., Ammon, C.J., Hutko, A.R., Furlong, K. and Rivera, L., 2009. The 2006–2007 Kuril Islands great earthquake sequence, *J. Geophys. Res.*, 114, B11308, doi:10.1029/2008JB006280.

Polet, J. and Kanamori, H., 2009. Tsunami Earthquakes, *Encyclopedia of Complexity and Systems Science*, ed. Meyers, A. Springer, New York.

Wang, W., Ni, S., Chen, Y., and Kanamori, H., 2009. Magnitude estimation for early warning applications using the initial part of P waves: A case study on the 2008 Wenchuan sequence, *Geophys. Res. Lett.*, L16305, doi:10.1029/2009GL038678.

Stock, J., Hutton, K., Yang, W., Vidal-Villegas, A. and Kanamori, H., 2010. The 2010 Mw 7.2 El Mayor-Cucapah Earthquake Sequence, Baja California, Mexico and Southernmost California, USA: Active Seismotectonics along the Mexican Pacific Margin, *Pure Appl. Geophys.*, DOI 10.1007/s00024-00010-00209-00027

Hsu, Y.-J., Rivera, L., Wu, Y.-M., Chang, C.-H. and Kanamori, H., 2010. Spatial heterogeneity of tectonic stress and friction in the crust: new evidence from earthquake focal mechanisms in Taiwan, *Geophys. J. Int.*, 182, 329-342, doi: 10.1111/j.1365-1246.X.2010.04609.x.

Kanamori, H., Rivera, L. and Lee, W.H.K., 2010. Historical seismograms for unravelling a mysterious earthquake: The 1907 Sumatra Earthquake, *Geophys. J. Int.*, 183 358–374, doi: 10.1111/j.1365-1246.X.2010.04731.x.

Lay, T., Ammon, C.J., Hutko, A.R. and Kanamori, H., 2010. Effects of Kinematic Constraints on Teleseismic Finite-Source Rupture Inversions: Great Peruvian Earthquakes of 23 June 2001 and 15 August 2007, *Bull. Seismol. Soc. Am.*, 100, 969–994, doi: 10.1785/0120090274

Lay, T., Ammon, C.J., Kanamori, H., Koper, K.D., Sufri, O. and Hutko, A.R., 2010. Teleseismic inversion for rupture process of the 27 February 2010 Chile (Mw 8.8) earthquake, *Geophys. Res. Lett.*, 37, L13301, doi:10.11029/2010GL043379.

Lay, T., Ammon, C.J., Kanamori, H., Rivera, L., Koper, K.D. and Hutko, A.R., 2010. The 2009 Samoa–Tonga great earthquake triggered doublet, *Nature*, 466, 964-968, doi: 10.1038/nature09214.

Mello, M., Bhat, H.S., Rosakis, A.J. and Kanamori, H., 2010. Identifying the unique ground motion signatures of supershear earthquakes: Theory and experiments, *Tectonophysics*, 493, 297-326.

Satriano, C., Wu, Y.-M., Zollo, A. and Kanamori H., 2010. Earthquake early warning: Concepts, methods and physical grounds, *Soil Dynamics and Earthquake Engineering*, 31, 106-118.

Watada, S. and H. Kanamori, 2010. Acoustic resonant oscillations between the atmosphere and the solid earth during the 1991 Mt. Pinatubo eruption. *J. Geophys. Res.*, 115, B12319, doi:12310.11029/12010JB007747.

Zollo, A., Amoroso, O., Lancieri, M., Wu, Y.-M. and Kanamori, H., 2010. A threshold-based earthquake early warning using dense accelerometer networks, *Geophys. J. Int.*, 183, 963-974, doi: 910.1111/j.1365-1246X.2010.04765.x.

Ammon, C.J., Lay, T., Kanamori, H. and Cleveland, M., 2011. A rupture model of the 2011 off the Pacific coast of Tohoku Earthquake, *Earth Planets Space*, 63, 693-696, doi:610.5047/eps.2011.5005.5015.

Chu, R., S. Wei, Helberger, D.V., Zhan, Z., Zhu, L. and Kanamori, H., 2011. Initiation of the great Mw 9.0 Tohoku–Oki earthquake, *Earth and Planetary Science Letters*, 308, 277-283, doi:210.1016/j.epsl.2011.1006.1031.

Duputel, Z., Rivera, L., Kanamori, H., and Hayes, G., 2011. Real-time W phase inversion during the 2011 off the Pacific coast of Tohoku Earthquake, *Earth Planets Space*, 63, 535-539.

Koper, K. D., Hutko, A.R., Lay, T. Ammon, C.J. and Kanamori, H., 2011. Frequency-dependent rupture process of the 11 March 2011 MW 9.0 Tohoku earthquake: Comparison of short-period P wave backprojection images and broadband seismic rupture models, *Earth Planets Space*, 58, 1-4.

Lay, T., Ammon,C.J., Kanamori, H., Kim, M.J. and Xue, L., 2011. Outer trench-slope faulting and the 2011 Mw 9.0 off the Pacific coast of Tohoku Earthquake, *Earth Planets Space*, 63, 713-718, doi:710.5047/eps.2011.5005.5006.

Lay, T., Ammon, C.J., kanamori, H., Xue, L. and Kim, M.J., 2011. Possible large near-trench slip during the 2011 Mw 9.0 off the Pacific coast of Tohoku Earthquake, *Earth Planets Space*, 63, 687-692, doi:610.5047/eps.2011.5005.5033.

Lay, T., Ammon, C.J., Kanamori, H., Yamazaki, Y. Cheung, K.F. and Hutko, A.R., (2011). The 25 October 2010 Mentawai tsunami earthquake (Mw 7.8) and the tsunami hazard presented by shallow megathrust ruptures, *Geophys. Res. Lett.*, 38, L06302, doi:10.1029/2010GL046552.

Lay, T. and Kanamori, H. (2011). Insights from the great 2011 Japan earthquake, *Physics Today*, 64, December 2011, 33-39.

Lay, T., Yamazaki, Y., Ammon, C.J., Cheung, K.F. and Kanamori, H., 2011. The 2011 Mw 9.0 off the Pacific coast of Tohoku Earthquake: Comparison of deep-water tsunami signals with finite-fault rupture model predictions, *Earth Planets Space*, 797-801, doi:10.5047/eps.2011.5005.5030.

Simons, M., Minson, S., Sladen, A., Ortega, F., Jiang, J., Owen, S., Meng, L., Ampuero, J.P., Wei, S., Chu, R., Hekmberger, D.V., Kanamori, H., Hetland, E., Moore, A.W., Webb, F.H., 2011. The 2011 Magnitude 9.0 Tohoku-Oki Earthquake: Mosaicking the Megathrust from Seconds to Centuries, *Science*, 332:1421-1425.

Yamazaki, Y., Lay, T.K.F., Cheung, K. F., Yue, H. and Kanamori, H., 2011. Modeling near-field tsunami observations to improve finite-fault slip models for the 11 March 2011 Tohoku earthquake, *Geophys. Res. Lett.*, 38, L00G15, doi:10.1029/2011GL049130.

Zhao, D., Huang, z., Umino, N., Hasegawa, A. and Kanamori, H., 2011. Structural heterogeneity in the megathrust zone and mechanism of the 2011 Tohoku - oki earthquake (Mw 9.0), *Geophys. Res. Lett.*, 38, L17308, doi:10.1029/2011GL048408.

Colombelli, S., Amoroso, O., Zollo, A and Kanamori, H., 2012. Test of a Threshold-Based Earthquake Early-Warning Method Using Japanese Data, *Bulletin of the Seismological Society of America*, 102, 1266-1275.

Colombelli, S., Zollo, A, Festa, G. and Kanamori. H., 2012. Early magnitude and potential damage zone estimates for the great Mw 9 Tohoku-Oki earthquake, *Geophysical Research Letters*, 39, n/a-n/a.

Duputel, Z, Kanamori, H., Tsai, V.C., Rivera, L., Meng, L. Ampuero, J.-P., and Stock, J.M., 2012. Sumatra great earthquake sequence, *Earth and Planetary Science Letters*, 351-352, 247-257.

Duputel, Z., Rivera, L., Fukahata, Y. and Kanamori, H., 2012. Uncertainty estimations for seismic source inversions, *Geophysical Journal International*, 190, 1243-1256.

Duputel, Z., Rivera, L., Kanamori, H. and Hayes, G., 2012. W phase source inversion for moderate to large earthquakes (1990-2010), *Geophysical Journal International*, 189, 1125-1147.

Kanamori, H., 2012. Earthquake hazards: Putting seismic research to most effective use, *Nature*, 483, 147-148.

Kanamori, H., Lee, W.H.K. and Ma, K.-F., 2012. The 1909 Taipei earthquake-implication for seismic hazard in Taipei, *Geophysical Journal International*, 191, 126-146.

Lay, T., Kanamori, H., Ammon, C.J., Koper, K.D., Hutko, A.R., Ye, L., Yue, H. and Rushing, T. M., 2012. Depth-varying rupture properties of subduction zone megathrust faults, *Journal of Geophysical Research: Solid Earth*, 117, B04311, doi: 10.1029/2011JB009133.

Ritsema, J., Lay, T. and Kanamori, H., 2012. The 2011 Tohoku Earthquake, *Elements*, 8, 183-188.

Wang, D., Becker, N.C., Walsh, D., Fryer, G.J., Weinstein, S.A., McCreery, C.S., Sardina, V., Hsu, V., Hirshorn, B.F., Hayes, G.P., Duputel, Z., Rivera, L., Kanamori, H., Koyanagi, K.K. and Shiro, B., 2012. Real-time forecasting of the April 11, 2012 Sumatra tsunami, *Geophysical Research Letters*, 39, n/a-n/a.

Ye, L., Lay, T. and Kanamori, H., 2012. Intraplate and interplate faulting interactions during August 31, 2012, Philippine Trench earthquake (Mw7.6) sequence, *Geophysical Research Letters*, Vol., 2012, 39, L24310 doi:24310.21029/22012GL054164.

Ye, L., Lay, T. and Kanamori, H., 2012. The Sanriku-Oki low-seismicity region on the northern margin of the great 2011 Tohoku-Oki earthquake rupture, *Journal of Geophysical Research: Solid Earth*, 117, n/a-n/a.

Zhan, Z., Helmberger, D., Simons, M., kanamori, H., Wu, W., Cubas, N., Duputwl, Z., Chu, R., Tsai, V.C., AVouac, J.-P., Hudnut, K.W., Ni, S., Hetland, E. and Culaciati, F.H.O., 2012. Anomalously steep dips of earthquakes in the 2011 Tohoku-Oki source region and possible explanations, *Earth and Planetary Science Letters*, 353-354, 121-133.

