

CURRICULUM VITAE OF MAX WYSS

Personal Data:

Born: Zuerich, Switzerland, September 10, 1939

Citizenship: Switzerland and USA

Current Position:

Director, World Agency of Planetary Monitoring and Earthquake Risk Reduction, Genève, Switzerland, 2001-present.

Education:

California Institute of Technology, 1970, Ph.D., Geophysics; California Institute of Technology, 1967, M.S.; Federal Inst. of Technology, Zuerich, Switzerland, Diploma, Geophysics, 1964.

Professional Employment:

Wadati Professor, Geophysical Institute, University of Alaska, Fairbanks, 1991-2001. State Seismologist of Alaska, 1993-1994. University of Colorado, Boulder, Fellow of CIRES and *Professor*, 1972-1991.

Visiting Scientist at: ETH, Zuerich, Switzerland, January/June, 2001; UCLA, Los Angeles, March/April, 2000; USC, Los Angeles, January/February 2000; UNAM, Querétaro, Mexico, 99; Tohoku University, Sendai, Japan, 98; GFZ Potsdam, Germany, 97/98; Tohoku Univ., Sendai, Japan, 97; NIED, Tsukuba, Japan, 96; ERI, Univ. Tokyo, Japan, 95; Univ. of Kiel, Germany, 1990; Graefenberg Array, Erlangen, Germany, 85/86; ETH, Zurich, Switzerland, 79/80; Univ. of Karlsruhe, Germany, 74/75; National Univ. of Mexico 72.

Research Assoc at: Lamont-Doherty Geol. Obs., Columbia Univ., 70/71; Univ. of California, IGPP, 70. *Research Asst. at*: California Institute of Technology, 65-70; Univ. Mainz, Germany, 65. *Exploration Geophys. at*: Geotest AG, Bern, Switzerland, 64.

Honors and Awards:

Alexander von Humboldt, Senior U.S. Scientist Award, 1985/86;

University of Colorado, Faculty Research Fellowship, 1985/86.

Geophysical Institute, Univ. of Alaska, Moore prize for best research paper, 1996.

Professor Emeritus, University of Alaska, Fairbanks, 2002.

Recommendation Prize, Stauffacher Literary Short Story Contest, 2004.

Languages:

English - fluent; French - fluent; Italian - poor;

German - native; Spanish - moderate; Japanese - rudimentary.

Memberships:

Seismological Society of America; American Geophysical Union;

Editorship:

Editor, Pure and Applied Geophysics, 1974-1984; Member of Advisory Board, 1984-1994.

Committees:

IASPEI, working group on Earthquake Loss Estimates, Real-Time and Scenario Mode Worldwide, chairman, 2004-present. IASPEI, sub-commission on earthquake prediction, chairman, 1987-2002; European Advisory Evaluation Committee for Earthquake Prediction, 1999-present; Canadian Earthquake Prediction Evaluation Committee, member, April 1989-present; Governor's Task Force for Selecting a Site for the Colorado SSC Project, 1987; NASA, Earth Dynamics Advisory Subcommittee, 1977;

Consulting:

Government of India, Development of seismology in India, 2001; Cementos del Peru, seismic hazard for dam site, 2000; United Nations Development Secretariat of the IDNDR, Seismic Hazard Mitigation in India, 1994; Electrowatt-Stucki, Seismic Hazard at two Dam Sites in Iran, 1993; TURN, Seismic Hazard at Diablo Canyon, CA, 1988; State of Colorado, Seismic Hazard at SSC Site, 1987; Citizens Against Hile Quarry, Explosions Hazards, 1984; Motorcolumbus, Seismic Hazard in Honduras, 1983-1985; UNESCO, Seismic Hazard in the Balkans, 1983; Electrowatt, Seismic Hazard in Argentina and Switzerland, 1980-1982; NASA, Geodynamics, 1968.

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List of Publications**A. Books Edited**

1. Observation and interpretation of tectonic strain release mechanisms, Ph.D. Thesis, California Institute of Technology, 1970.
2. Earthquake prediction and rock mechanics, Contributions to Current Research in Geophysics, I, 1975 (Max Wyss, editor).
3. Stress in the earth, Contributions to Current Research in Geophysics, 3, 1977 (Max Wyss, editor).
4. Rock friction and earthquake prediction, Contributions to Current Research in Geophysics, 6, 583-991, 1978 (J. Byerlee and M. Wyss editors).
5. Earthquake prediction and seismicity patterns, Contributions to Current Research in Geophysics, 8, pp. 237, 1979. (Max Wyss editor)
6. Evaluation of Proposed Earthquake Precursors, Amer. Geophys. Union Monograph (M. Wyss, editor) pp. 94, 1991.
7. Editor of special issue of Tectonophysics on Earthquake Prediction, 193, 253-412, 1991.
8. Earthquake Prediction - State of the Art, Birkhaeuser, Basel (M. Wyss and R. Dmowska, eds.) pp. 264, 1997.

9. Seismicity patterns, their statistical significance and physical meaning Birkhaeuser, Basel (M. Wyss, K. Shimazaki and A. Ito, eds.) pp. 203-726, 1999.

B. Articles

1. The Alaska earthquake of 28 March 1964: A complex multiple rupture (M. Wyss and J. N. Brune) *Bull. Seism. Soc. Am.*, 57, 1017-1023, 1967.
2. The Borrego Mt., California, earthquake of 9 April 1968: A preliminary report (C.R. Allen, A. Grantz, J.N. Brune, M.M. Clark, R.V. Sharp, T.G. Theodore, E.W. Wolfe and M. Wyss) *Bull. Seism. Soc. Am.*, 58, 1183-1186, 1968.
3. Seismic moment, stress, and source dimensions for earthquakes in the California-Nevada region (M. Wyss and J. N. Brune) *J. Geophys. Res.*, 73, 4681-4694, 1968.
4. Displacement on the San Andreas fault subsequent to the 1966 Parkfield earthquake (S. W. Smith and M. Wyss) *Bull. Seism. Soc. Am.*, 58, 1955-1973, 1968.
5. Seismic and aseismic slip on the San Andreas fault (C. M. Scholz, M. Wyss and S. W. Smith) *J. Geophys. Res.*, 74, 2049-2069, 1969.
6. Stress estimates for South American shallow and deep earthquakes (M. Wyss) *J. Geophys. Res.*, 74, 1529-1544, 1970.
7. A comparison of apparent stresses of earthquakes on ridges with earthquakes in trenches (M. Wyss) *Geophys. J. Roy. astr. Soc.*, 19, 479-484, 1970.
8. Source dimensions of nuclear explosions and small shallow earthquakes (M. Wyss, J.N. Brune, T.C. Hanks, and B.E. Tucker) ARPA meeting on seismic discrimination, Woods Hole, 22-24 July 1970, Proceedings, 1971.
9. Comparison of P wave spectra of nuclear explosions and earthquakes (M. Wyss, T.C. Hanks and R.C. Liebermann) *J. Geophys. Res.*, 76, 2716-2729, 1971.
10. Preliminary source parameter determination of the San Fernando earthquake (M. Wyss) U.S. Geological Survey Prof. Paper 733, 38-40, 1971.
11. Repeated surveys of small-scale features established across surface fault ruptures following the earthquake (J.C. Lahr, M. Wyss and J.A. Hileman) U.S. Geol. Survey Prof. Paper 733, 86-88, 1971.
12. Regional variations of source parameters in southern California estimated from the ratio of short to long period amplitudes (M. Wyss and J.N. Brune) *Bull. Seism. Soc. Am.*, 61, 1153-1167, 1971.
13. The source parameters of the San Fernando Earthquake inferred from teleseismic body waves (M. Wyss and T.C. Hanks) *Bull. Seism. Soc. Am.*, 62, 591-602, 1972.
14. Efficiency, stress drop, apparent stress, effective stress and frictional stress of Denver, Colorado earthquakes (M. Wyss and P. Molnar) *J. Geophys. Res.*, 77, 1433-1438, 1972.
15. The use of body-wave spectra in the determination of seismic source parameters (T.C. Hanks and M. Wyss) *Bull. Seism. Soc. Am.*, 62, 561-589, 1972.
16. The source parameters of the Borrego Mountain, California earthquake (M. Wyss and T.C. Hanks) U.S. Geol. Survey Prof. Paper, 787, 24-30, 1972.
17. Displacements on the Imperial, Superstition Hills, and San Andreas faults caused by the Borrego Mountain earthquake of 7 April 1968 (C.R. Allen, M. Wyss, J.N. Brune, A. Grantz and R.E. Wallace) U.S. Geol. Survey Prof. Paper, 787, 87-104, 1972.

18. Moments, source dimensions, and stress drops of shallow-focus earthquakes in the Tonga-Kermadec Arc (P. Molnar and M. Wyss) *Phys. of the Solid Earth*, 6, 263-278, 1972.
19. Source parameters of intermediate and deep focus earthquakes in the Tonga Arc (M. Wyss and P. Molnar) *Physics of the Solid Earth*, 6, 279-292, 1972.
20. Towards a physical understanding of the earthquake frequency distribution (M. Wyss) *Geophys. J. R. astr. Soc.*, 31, 341-359, 1973.
21. The thickness of deep seismic zones (M. Wyss) *Nature*, 242, 255-256, 1973.
22. Derivation of rupture area and stress-drop from body wave displacement spectra and the relative material strength in deep seismic zones (M. Wyss) *Phil. Trans. R. Soc. A.*, 274, 361-368, 1973.
23. Microearthquakes on the Mid-Atlantic plate boundary in the Reykjanes Peninsula, Iceland (F.W. Klein, Pall Einarsson and M. Wyss) *J. Geophys. Res.*, 78, 5084-5099, 1973.
24. Earthquake prediction based on station residuals (M. Wyss and D.J. Holcomb) *Nature*, 245, 139-140, 1973.
25. Time variations of the average earthquake magnitude in Central California (M. Wyss and W.H.K. Lee) in *Proceedings of the Conference on Tectonic Problems of the San Andreas Fault System*, eds. R. L. Kovach, and A. Nur, Stanford University, *Geol. Sci.*, 13, 24-42, 1973.
26. A search for teleseismic P-residual changes before large earthquakes in New Zealand (M. Wyss and A.C. Johnston) *J. Geophys. Res.*, 79, 3283-3290, 1974.
27. Will there be a large earthquake in Central California during the next decade? (M. Wyss) *Nature*, 251, 126-128, 1974.
28. Source dimensions of two deep earthquakes estimated from aftershocks and spectra (M. Wyss and L.J. Sharnik) *Bull. Seism. Soc. Amer.*, 65, 403-410, 1975.
29. Time dependence of P-residuals in Luzon, *Bull. Seism. Soc. Am.*, 65, 461-466, 1975 (M. Wyss).
30. Precursors to the Garm earthquake of March, 1969 (M. Wyss) *J. Geophys. Res.*, 80, 2926-2930, 1975.
31. A search for precursors to the Sitka, 1972 earthquake, sea level, magnetic field and P-residuals (M. Wyss) *Pure Appl. Geophys.*, 113, 297-309, 1975.
32. Mean sea level before and after some great strike-slip earthquakes (M. Wyss) *Pure Appl. Geophys.*, 113, 107-118, 1975.
33. Magnetism of rocks and volumetric strain in uniaxial failure tests (R.J. Martin and M. Wyss) *Pure Appl. Geophys.*, 113, 51-61, 1975.
34. Local changes of sea level before large earthquakes in South America (M. Wyss) *Bull. Seism. Soc. Amer.*, 66, 903-914, 1976.
35. Preliminary experiments on the behavior of mice before rock failure in the laboratory, in *National Earthquake Hazards Reduction Program, Conference I, Abnormal Animal Behavior Prior to Earthquakes I*, ed. J. Evernden, US Dept. of the Interior Geological Survey, Menlo Park (W.H. Gawthrop, R. Johnson, and R.E. Habermann) 205-211, 1976.
36. Local sea level changes before and after the Hyuganda, Japan earthquakes of 1961 and 1968 (M. Wyss) *J. Geophys. Res.*, 81, 5315-5321, 1976.

37. The Reykjanes peninsula, Iceland earthquake swarm of September 1972 and its tectonic and geothermal implications (F.W. Klein, P. Einarsson and M. Wyss) *J. Geophys. Res.*, 82, 865-888, 1977.
38. Interpretation of the Southern California uplift in terms of the dilatancy hypothesis (M. Wyss) *Nature*, 266, 805-808, 1977.
39. The appearance rate of premonitory uplift (M. Wyss) *Bull. Seism. Soc. Am.*, 67, 1091-1098, 1977.
40. Tectonomagnetism and magnetic changes in rocks prior to failure (R.J. Martin III and M. Wyss) in *National Earthquake Hazard Reduction Program, Conference II*, J. Evernden, editor, U.S. Geological Survey, Menlo Park, California, 449-469, 1977.
41. The effect of stress cycling and inelastic volumetric strain on remnant magnetization (R.J. Martin III, R.E. Habermann and M. Wyss) *J. Geophys. Res.*, 83, 3485-3496, 1978.
42. Precursory variation of seismicity rate in the Assam area, India (K. Khattri and M. Wyss) *Geology*, 6, 685-688, 1978.
43. Source parameters of the Orizaba earthquake of August 28, 1973 (S.K. Singh and M. Wyss) *Geofisica International*, 16, 165-184, 1976.
44. Sea level changes before large earthquakes (M. Wyss) *Earthquake Information Bulletin*, 10, 165-168, 1978.
45. Long term precursory seismicity fluctuations (M. Wyss, R.E. Habermann and A.C. Johnston) *Proceedings of Conference VI, Methodology for identifying seismic gaps and soon-to-break seismic gaps*, U.S. Geological Survey Open File Report 78-943, 1978.
46. Estimating expectable maximum magnitude of earthquakes from fault dimensions (M. Wyss) *Geology*, 7, 336-340, 1979.
47. Seismic quiescence precursory to a past and a future Kurile island earthquake (M. Wyss and R.E. Habermann) *Pure and Appl. Geophys.*, 117, 1195-1211, 1979.
48. The use of seismicity studies for earthquake prediction, (M. Wyss) in *Proceedings of the International Conference on Engineering for Protection from Natural Disasters*, Bangkok, 385-400, January 1980.
49. Hawaiian rifts and recent Icelandic volcanism: Expressions of plume generated triple junctions (M. Wyss) *Journal of Geophysics*, 47, 19-22, 1980.
50. Upper mantle velocity heterogeneities beneath the Colorado Rocky Mountains determined from P-residuals (R. Casaceli and M. Wyss) *J. Geophys. Res.*, 85, 1882-1887, 1980.
51. Interpretation of postseismic deformation with a viscoelastic relaxation model (J. Wahr and M. Wyss) *J. Geophys. Res.*, 85, 6471-6477, 1980.
52. Multiple asperity model for earthquake prediction (M. Wyss, A. C. Johnston and F. W. Klein) *Nature*, 289 231-234, 1981.
53. Seismic quiescence in the Western Hellenic Arc may foreshadow large earthquakes (M. Wyss and M. Baer) *Nature*, 289, 785-787, 1981
54. Some recent topics on earthquake prediction studies by U.S. investigators (M. Wyss) *Development in Earth and Planetary Sciences*, ed. T. Rikitake, 2, 81-127, 1981.
55. Precursors of the 1975 Hawaii M=7.2 earthquake (M. Wyss, A.C. Johnston, and F.W. Klein) *J. Geophys. Res.*, 86, 3881-3900, 1981.

56. Earthquake hazard in the Hellenic arc (M. Wyss and M. Baer) in Maurice Ewing Series, ed. D.W. Simpson and P.G. Richards, Amer. Geophys. Union, 4, 153-172, 1981.
57. Some earthquake precursors and their potential use in the Balkans, in Proceedings of UNESCO seminar on Earthquake Prediction and Instrumentation, Thessaloniki, November 1981 (M. Wyss).
58. P-wave travel times: Stability and change within the source volume of a M=7.2 earthquake (A.C. Johnston, M. Wyss, R. Koyanagi and R.E. Habermann) J. Geophys. Res., 87, 6889-6905, 1982.
59. Conversion of m_b to M_s for estimating the recurrence time of large earthquakes (M. Wyss and R. E. Habermann) Bull. Seism. Soc. Amer., 72, 1651-1662, 1982.
60. Precursory seismicity quiescence in the New Hebrides arc (M. Wyss, R.E. Habermann and C.L. Heiniger) Bull. Seism. Soc. Amer., 73, 219-236, 1983.
61. Large earthquakes, mean sea level and tsunamis along the Pacific coast of Mexico and Central America, (G. Cruz and M. Wyss) Bull. Seism. Soc. Amer., 73, 553-570, 1983.
62. Local seismic activity in the region of the Assam Gap, northeast India (K. Khattri, M. Wyss, V. K. Gaur, S. N. Saha, and V. K. Bansal) Bull. Seism. Soc. Amer., 73, 459-470, 1983.
63. Crustal transit time monitoring using PKP (M. Wyss and R. Kind) PAGEOPH, 121, 269-285, 1983.
64. Vertical tectonic stability over the last 15 years, estimated from annual mean sea levels in Greece (V. Lagios and M. Wyss) PAGEOPH 121, 5/6, 869-887, 1983.
65. Earthquake triggering during preparation for great earthquakes (R.E. Habermann and M. Wyss) Geophys. Res. Letts., 11, 291-294, 1984.
66. Precursory seismicity quiescence in the Tonga-Kermadec arc, (M. Wyss, R.E. Habermann and J.C. Griesser) J. Geophys. Res., 89, 9293-9304, 1984.
67. Background seismicity rates and precursory seismic quiescence: Imperial Valley, California (R.E. Habermann and M. Wyss) Bull. Seism. Soc. Amer., 74, 1743-1755, 1984.
68. Clustering of foreshocks and preshocks in the Circum-Aegean region (K.-C. Wong and M. Wyss) Earthquake Prediction Research, 1, 121-140, 1985.
69. The detection and interpretation of hydrogen in fault gases (R.H. Ware, C. Roelken and M. Wyss) PAGEOPH, 122, 392-402, 1984/85.
70. Precursors to large earthquakes (M. Wyss) Earthquake Prediction Research, 3, 519-543, 1985.
71. Magnetic and soil gas measurements along the surface rupture of the Borah Peak earthquake of October 28, 1983 (F. Scherbaum, C. Roelken, R.H. Ware and M. Wyss) Proc. Workshop XXVIII on the Borah Peak, Idaho, Earthquake, Vol. A, Natl. Earthquake Prediction & Hazard Programs, 3-6 Oct. 1984, R.S. Stein & R.C. Bucknam (eds.) 645-656, USGS, Menlo Park, CA, 1985.
72. Current episodes of seismic quiescence along the San Andreas Fault between San Juan Bautista and Stone Canyon, California: Possible precursors to local moderate mainshocks (M. Wyss and R.O. Burford) U.S. Geol. Survey open-file report, 85-754, 367-426, 1985.

73. The resolution of the Graefenberg array for earthquake location in the Eastern Mediterranean (R.E. Habermann, R. Kind, M. Wyss and W. Stammer) *J. Geophys.*, 57, 3, 172-177, 1985.
74. Seismic quiescence precursor to the 1983 Koaiki ($M_s=6$) Hawaii, earthquake (M. Wyss) *Bull. Seism. Soc. Amer.*, 76, 785-800, 1986.
75. Comparison of a complex rupture model with the precursor asperities of the 1975 Hawaii $M_s=2$ earthquake (D. Harvey and M. Wyss) *PAGEOPH*, 124, 957-973, 1986.
76. Regular intervals between five Hawaiian earthquakes: Implications for predicting the next event (M. Wyss) *Science*, 234, 726-728, 1986.
77. Stress drops and amplitude ratios of earthquakes preceding and following the 1975 Hawaii $M=7.2$ main shock, (F.R. Zuñiga, M. Wyss and M.W. Wilson) *Bull. Seism. Soc. Amer.* 77, 69-96, 1987.
78. Reply to "Comment on Habermann's method for detecting seismicity rate changes", by M.W. Matthews and P. Reasenber (R.E. Habermann and M. Wyss) *J. Geophys. Res.*, 92, 9446-9450, 1987.
79. A predicted earthquake on the San Andreas fault, California (M. Wyss and R.O. Burford) *Nature*, 329, 233-325, 1987.
80. On the status of seismic quiescence as a precursor (M. Wyss) in *Proceedings of Earthquake Prediction - Present Status*, eds. S.K. Guha and A.M. Patwardhan, Poona, India, August, 201-215, 1988.
81. Precursory quiescence before the August 1982 Stone Canyon, San Andreas fault, earthquakes (M. Wyss and R.E. Habermann) *PAGEOPH*, 126, 333-356, 1988.
82. A moment-magnitude relation for Hawaii (F.R. Zuñiga, M. Wyss and F. Scherbaum) *Bull. Seism. Soc. Amer.*, 78, 370-373, 1988.
83. Precursory seismic quiescence (M. Wyss and R.E. Habermann) *PAGEOPH*, 126, 319-332, 1988.
84. Earthquake locations in the western Hellenic arc relative to the plate boundary (T. Papadopoulos, D.L. Schmerge and M. Wyss) *Bull. Seis. Soc. Amer.*, 78, 1222-1231, 1988.
85. Comments on "A single force model for the 1975 Kalapana, Hawaii, earthquake", by H.K. Eissler and M. Kanamori (M. Wyss and R.L. Kovach) *J. Geophys. Res.*, 93, 8078-8082, 1988.
86. Coda Q before the 1983 Hawaii ($M_s=6$) earthquake (Z.X. Huang and M. Wyss) *Bull. Seis. Soc. Amer.*, 78, 1279-1296, 1988.
87. A proposed model for the great Kau, Hawaii, earthquake of 1868 (M. Wyss) *Bull. Seism. Soc. Amer.*, 78, 1450-1462, 1988.
88. Earthquake Hazard in Hawaii (M. Wyss) *Proceedings of UN Seminar on the Prediction of Earthquakes*, Lisbon, Portugal, November, 1988.
89. Precursory seismic quiescence before the January 1982 Hilea, Hawaii, earthquake (M. Wyss and Z.X. Fu) *Bull. Seism. Soc. Amer.*, 79, 756-773, 1989.
90. Surveillance of Thera Volcano (Greece) - Monitoring of the geomagnetic field (E. Lagios, A. Tzanis, S. Hailas and M. Wyss) *Proceedings of International Conference "Thera and the Aegean World"*, September 1989.

91. Seismic quiescence at Parkfield: An independent indication of an imminent earthquake (M. Wyss, P. Bodin and R.E. Habermann) *Nature*, 345, 426-428, 1990.
92. Decrease in deformation rate as a possible precursor to the next Parkfield earthquake (M. Wyss, L. Slater and R.O. Burford) *Nature*, 345, 428-431, 1990.
93. Seismic cycle not so simple (M. Wyss) *Nature*, 345, 290, 1990. 94. Distribution of attenuation in the Kaoiki, Hawaii, source volume, estimated by inversion of P-wave spectra (F. Scherbaum and M. Wyss) *J. Geophys. Res.*, 95, 12439-12448, 1990.
94. Changes of mean magnitude of Parkfield seismicity: a part of the precursory process? (M. Wyss) *Geophys. Res. Letts.*, 17, 2429-2432, 1990.
95. Inversion of source parameters for subcrustal earthquakes in the Hellenic arc (M. Beisser, M. Wyss and R. Kind) *Geophys. J. Int.*, 103, 439-450, 1990.
96. Increased mean depth of earthquakes at Parkfield (M. Wyss) *Geophys. Res. Letts.*, 18, 617-620, 1991.
97. Reporting history of the central Aleutians seismograph network and the quiescence preceding the 1986 Andreanof Island earthquake (M. Wyss) *Bull. Seism. Soc. Amer.*, 81, 1231-1254, 1991.
98. Estimates of orientation of stress and strain tensors based on fault plane solutions in the epicentral area of the great Hawaiian earthquake of 1868 (B. Liang and M. Wyss) *Bull. Seis. Soc. Amer.*, 81, 2320-2334, 1991.
99. An estimate of the absolute stress tensor in Kaoiki, Hawaii (M. Wyss, D. Gillard and B. Liang) *J. Geophys. Res.*, 97, 4763-4768, 1992.
100. Comparison of orientations of stress and strain tensor based on the fault plane solutions in Kaoiki, Hawaii (M. Wyss, B. Liang, W. R. Tanigawa and X. Wu) *J. Geophys. Res.*, 97, 4769-4790, 1992.
101. Comment on: Precursors to the Kalapana $M = 2$ earthquake by M. Wyss, F.W. Klein and A.C. Johnston (P.T. Delaney, M. Wyss, P.W. Lipman and A.T. Okamura) *J. Geophys. Res.*, 97, 4839-4841, 1992.
102. A seismotectonic model for western Hawaii based on stress tensor inversion from fault plane solutions (D. Gillard, M. Wyss and J.S. Nakata) *J. Geophys. Res.*, 97, 6629-6641, 1992.
103. Seismic gaps in Hawaii (M. Wyss and R.Y. Koyanagi) *Bull. Seism. Soc. Am.*, 82, 1373-1387, 1992. 105.
104. Shear-wave polarization alignments recorded above the Kaoiki fault zone, Hawaii (D. C. Booth, M. Wyss and D. Gillard) *Geophys. Res. Letts.*, 19, 1141-1144, 1992.
105. The Lyman Hawaiian earthquake diary 1833-1917 (M. Wyss and R.Y. Koyanagi and D. C. Cox) *U.S. Geol. Survey Bull.*, 2027, pp. 34, 1992.
106. Iseismal maps, macroseismic epicenters, and estimated magnitudes of historical earthquakes in the Hawaiian islands (M. Wyss and R. Y. Koyanagi) *U.S. Geological Survey Bull.*, 2006, pp.92, 1992.
107. Seismic quiescence: A test of the hypothesis and a precursor to the next Parkfield, California, earthquake (M. Wyss, R.E. Habermann and P. Bodin) *Geophys. J. Int.*, 110, 518-536, 1992.

108. Great subduction earthquakes studied (M. Wyss, D. Christensen and J. Davies) *EOS*, 74, 148-149, 1992.
109. How much sense does earthquake prediction make? (M. Wyss) in *Continental Earthquakes*, eds. Ding Guoyu and Chen Zhangli, IASPEI Publication Series for the IDNDR, 3, 85-90, 1993.
110. Preliminary results from stress tensor inversion of earthquake fault plane-solutions in the southern Tyrrhenien region (G. Neri and M. Wyss) *Boll. Geofis. Teor. Appl.*, 35, 139, 349-362, 1993.
111. Aftershocks of the 13 May Shumagin Islands earthquake (Z. Lu, M. Wyss, G. Tytgat, S. Stihler, and S. McNutt) *Geophys. Res. Letts.*, 21, 497-500, 1994.
112. Seismic quiescence before the Landers (M7.5) and Big Bear (M6.5) 1992 earthquakes (S. Wiemer and M. Wyss) *Bull. Seism. Soc. Am.*, 84, 900-916, 1994.
113. Inversion of source parameters from sparse data sets: Test of the method and application to the 1951 (M=6.9) Kona, Hawaii, earthquake (M. Beisser, D. Gillard and M. Wyss) *J. Geophys. Res.*, 99, 19661-19678, 1994.
114. Plate boundary segmentation by stress directions: southern San Andreas fault, California (M. Wyss and Z. Lu) *Geophys. Res. Letts.*, 22, 547-550, 1995.
115. Stress directions along the Alaska Wadati-Benioff zone from inversion of focal mechanism data (Z. Li, N. Biswas, G. Tytgat, H. Pulpan, M. Wyss) *Tectonophys.*, 246, 163-170, 1995.
116. Precursory seismic quiescence in the Mudurnu Valley, North Anatolian fault zone (M. Wyss, M. Westerhaus, H. Berckhemer, and R. Ates) *Geophys. J. Int.*, 123, 117-124, 1995.
117. Inadvertant changes of magnitude reported in earthquake catalogs: Influence on b-value estimates (R. Zuniga and M. Wyss) *Bull. Seism. Soc. Am.*, 85, 1858-1866, 1995.
118. Comparison of strain and stress tensor orientation: Application to Iran and Southern California (D. Gillard and M. Wyss) *J. Geophys. Res.*, 100, 22197-22133, 1995.
119. Segmentation of the Aleutian main thrust zone derived from stress directions based on fault plane solutions (Z. Lu and M. Wyss) *J. Geophys. Res.*, 101, 803-816, 1996.
120. Brief summary of some reasons why the VAN hypothesis for predicting earthquakes has to be rejected (M. Wyss) in *A Critical Review of VAN*, ed. Sir James Lighthill, World Scientific, London, 250-266, 1996.
121. Inacuracies in seismicity and magnitude data used by Varotsos and coworkers (M. Wyss) *Geophys. Res. Letts.*, 23, 1299-1302, 1996.
122. Probability of chance correlations of earthquakes with predictions in areas of heterogeneous seismicity: the VAN case (M. Wyss and A. Allmann) *Geophys. Res. Letts.*, 23, 1307-1310, 1996.
123. Type of faulting and orientation of stress and strain as a function of space and time in Kilauea's south flank, Hawaii (D. Gillard, M. Wyss and P. Okubo) *J. Geophys. Res.*, 101, 16025-16042, 1996.
124. Estimates of stress directions by inversion of earthquake fault plane solutions in Sicily (D. Caccamo, G. Neri, A. Sarao and M. Wyss) *Geophys. J. Int.*, 125, 857-868, 1996.

125. Quantitative mapping of a precursory seismic quiescence to the Izu-Oshima 1990 (M6.5) earthquake, Japan (M. Wyss, N. Shimazaki and T. Urabe) *Geophys. J. Int.*, 127, 735-743, 1996.
126. Two current seismic quiescences within 40 km of Tokyo (M. Wyss and S. Wiemer) *Geophys. J. Int.*, 128, 459-473, 1997.
127. Second round of evaluations of proposed earthquake precursors (M. Wyss) *PAGEOPH*, 149, 3-16, 1997.
128. Nomination of precursory seismic quiescence as a significant precursor (M. Wyss) *PAGEOPH*, 149, 79-114, 1997.
129. Was a tilt precursor observed before the 1944 (M8.1) Tonankai earthquake? (M. Wyss) *PAGEOPH*, 149, 17-20, 1997.
130. Seismicity rate change before the Irpinia (M=6.9) 1980 earthquake (M. Wyss, R. Console, M. Murru) *Bull. Seism. Soc. Am.*, 87, 318-326, 1997.
131. Details of stress directions in the Alaska subduction zone from fault plane solutions (Z. Lu, M. Wyss and H. Pulpan) *J. Geophys. Res.*, 102, 5385-5402, 1997.
132. Deformation of New Trident volcano measured by ERS-1 SAR interferometry, Katmai National Park, Alaska (Z. Lu, R. Fatland, M. Wyss, S. Li, J. Eichelberger, K. Dean, and J. Freymueller) *Geophys. Res. Letts.*, 24, 695-698, 1997.
133. Mapping the frequency-magnitude distribution in asperities: an improved technique to calculate recurrence times? (S. Wiemer and M. Wyss) *J. Geophys. Res.*, 15115-15128, 1997.
134. Mapping active magma chambers by b-values beneath the off-Ito volcano, Japan (M. Wyss, N. Shimazaki and S. Wiemer) *J. Geophys. Res.*, 102, 20413-20433, 1997.
135. Protection of megacities by earthquake prediction: a goal to work towards (M. Wyss) *Proceedings, Earthquakes and Megacities Workshop*, 1997.
136. Cannot earthquakes be predicted? (M. Wyss) *Science*, 278, 487-488, 1997.
137. Seismic quiescence before the M7, 1988, Spitak earthquake, Armenia (M. Wyss and A. Martyrosian) *Geophys. J. Internat.*, 134, 329-340, 1998.
138. Spatial variations in the frequency-magnitude distribution at South Suffriere Hills volcano, Montserrat, West Indies (J. Power, M. Wyss, and J. Latchman). *Geophys. Res. Letts.*, 25, 3653-3656, 1998.
139. Temporal and three-dimensional spacial analysis of the frequency-magnitude distribution near Long Valley caldera, California (S. Wiemer, S. R. McNutt, and M. Wyss) *Geophys. J. Int.*, 134, 409 - 421, 1998.
140. Four contributions to the debate about the predictability of earthquakes, *Nature*, web-page, March-April, 1999.
141. Stress field in Friuli from fault plane solutions of activity following the 1976 main shock (D. Slejko, G. Neri, I. Orozova, G. Renner and M. Wyss). *Bull. Seism. Soc. Am.*, 89, 1037-1052, 1999.
142. How can one test the seismic gap hypothesis? The Case of repeated ruptures in the Aleutians (M. Wyss and S. Wiemer) *Pageoph*, 259-278, 1999.

143. Evidence for shear wave anisotropy in the mantle wedge beneath Cook Inlet, Alaska (S. Wiemer, G. Tytgat, U. Dunkel, and M. Wyss) *Bull. Seism. Soc. Am.*, 89, 1313-1322, 1999.
144. Quantitative mapping of precursory seismic quiescence before the 1989, M7.1, off-Sanriku earthquake, Japan (M. Wyss, A. Hasegawa, S. Wiemer and N. Umino) *Annali di Geophysica*, 42, 851-869, 1999.
145. The location of magma chambers at Mt. Etna, Italy (Murru, M., C. Montuori, M. Wyss, and E. Privitera) mapped by b-values, *Geophys. Res. Letts.*, 26, 2553-2556, 1999.
146. Mapping asperities by minima of local recurrence time: The San Jacinto-Elsinore fault zones (Wyss, M., D. Schorlemmer, and S. Wiemer) *J. Geophys. Res.*, 105, 7829-7844, 2000.
147. Mapping the major asperities by minima of local recurrence time before the 1999 M7.4 Izmit earthquake (A. O. Oencel and M. Wyss) in *The Izmit and Duzce Earthquakes: Preliminary Results*, eds. A. Barka, O. Kozacı, S. Akyüz and E. Altunel, Istanbul Technical University, 1-4 pp, 2000.
148. Minimum magnitude of complete reporting in earthquake catalogs: examples from Alaska, the Western United States, and Japan (S. Wiemer and M. Wyss) *Bull. Seism. Soc. Am.* 90, 859-869, 2000.
149. The major asperities of the Mw=7.4 Izmit earthquake, defined by the microseismicity of the two decades before it (A. O. Oencel and M. Wyss) *Geophys. J. Int.*, 143, 501-506, 2000.
150. Is the background seismicity produced at a stationary Poissonian Rate? (M. Wyss and Y. Toya) *Bull. Seism. Soc. Am.*, 90, 1174-1187, 2000.
151. Change in the probability for earthquakes in Southern California due to the Landers magnitude 7.3 earthquake (Wyss, M., and S. Wiemer) *Science*, 290, 1334-1338, 2000.
152. Anomalously high b-values in the south flank of Kilauea volcano, Hawaii: evidence for the distribution of magma below Kilauea's east rift zone (M. Wyss, F. W. Klein, K. Nagamine, and S. Wiemer) *J. Volc. Geotherm. Res.*, 106, 23-37, 2001.
153. The source and path of magma for volcanoes in the subduction zone of northeastern Japan (M. Wyss, A. Hasegawa and J. Nakajima) *Geophys. Res. Letts.*, 28, 1819-1822, 2001.
154. Why is earthquake prediction not progressing faster? (M. Wyss) *Tectonophys.*, 338, 217-223, 2001.
155. Most and least likely locations of large to great earthquakes along the Pacific coast of Mexico, estimated from local recurrence times based on b-values (R. F. Zuniga and M. Wyss) *Bull. Seism. Soc. Amer.*, 91, 1717-1728, 2001.
156. Locked and Creeping Patches Along the Hayward Fault, California (M. Wyss) *Geophys. Res. Letts.*, 28, 3537-3540, 2001.
157. Correlating variations of b values and crustal deformations during the 1990s may have pinpointed the rupture initiation of the Mw=7.4 Izmit earthquake of 1999 August 17 (M. Westerhaus, M. Wyss, R. Yilmaz, and J. Zschau) *Geophysical Journal International*, 148, 139-152, 2002.

158. Spatial and temporal variability of the b-value in seismogenic volumes: An overview (S. Wiemer and M. Wyss) *Advances in Geophysics*, 45, 259-302, 2002.
159. Most likely locations of large earthquakes in the Kanto area, Japan, estimated based on local recurrence time (M. Wyss and S. Matsumura) *Phys. Earth Planet. Interiors*, 131, 173-184, 2002.
160. Reply to the comments by Rydelek and Sacks on "Minimum magnitude of complete reporting in earthquake catalogs: examples from Alaska, the Western United States, and Japan" (S. Wiemer and M. Wyss) *Bull. Seism. Soc. Am.*, 1868-1871, 2003.
161. Temporal-spatial variations of stress at Redoubt volcano, Alaska, inferred from inversion of fault plane solutions (J. J. Sanchez, M. Wyss and S. R. McNutt) *J. Volcan. Geotherm. Res.*, 130, 1-29, 2004.
162. Spatial variations in the frequency-magnitude distribution of earthquakes at Mount Pinatubo volcano (Sanchez, J. J., S. R. McNutt, J. A. Power, and M. Wyss) *Bull. Seism. Soc. Am.*, 94, 430-438, 2004.
163. Comparison Between Seismicity on Creeping and Locked Patches of the San Andreas Fault Near Parkfield, CA: Fractal Dimension and b-value (M. Wyss, C. Sammis, B. Nadeau and S. Wiemer) *Bull. Seism. Soc. Amer.*, 94, 410-421, 2004.
164. Seismic Risk in the United Arab Emirates, an Approximate Estimate (M. Wyss and Azm Al-Homoud), *Natural Hazards*, 32, 371-389, 2004.
165. Seismic quiescence precursors to two M7 Earthquakes on Sakhalin Island, Measured by Two Methods (M. Wyss, G. Sobolev and J. D. Clippard) *Earth Planets and Space*, 56, 725-740, 2004.
166. Real-time prediction of earthquake casualties (M. Wyss) in *Proceedings, Disasters and Society – From Hazard Assessment to Risk Reduction*, eds. D. Malzahn and T. Plapp, Logos Publishers, Internat. Conference, Univ. Karlsruhe, 26-27 July, 165-173, 2004.
167. Earthquake loss estimates in real-time begin to assist rescue teams, worldwide (M. Wyss) *EOS*, 85, 52, 565-567, 2004.
168. Earthquake statistics at Parkfield I: Stationarity of b-values, (Schorlemmer, D., S. Wiemer, and M. Wyss) *J. Geophys. Res.*, 109, B123234, 10.1029/2004JB003234, 2004.
169. Earthquake statistics at Parkfield II: Probabilistic forecasting and testing (D. Schorlemmer, S. Wiemer, M. Wyss and D. D. Jackson) *J. Geophys. Res.*, 109, B12308, 10.1029/2004JB003235, 2004.
170. Human losses expected in Himalayan earthquakes (M. Wyss) *Natural Hazards*, 305-314, 2005. (DOI: 10.1007/s11069-004-2073-1).
171. Earthquake loss estimates applied in real time and to megacity risk assessment (M. Wyss) *Proceedings of the Second International ISCRAM Conference* (Eds. B. Carle and B. Van de Walle), 297-299, Brussels, Belgium, April 2005.
172. Estimates of losses due to earthquakes worldwide (M. Wyss) *Bull. Seism. Soc. Am.*, in revision, 2005.
173. Nucleation points of recent main shocks in southern Iceland mapped by b-values (M. Wyss and R. Stefansson) *Bull. Seism. Soc. Am.*, submitted, 2005.
174. Instability of Loss Estimates After Earthquakes: Bam, 26 December 2003 (M. Wyss, R. Wang, J. Zschau, and Y. Xia) submitted, 2005.

175. Linking earthquake size distribution to stress (D. Schorlemmer, S. Wiemer and M. Wyss) *Nature*, submitted, 2005.
176. Proposed locations from where most larger earthquakes in the Kanto-Tokai area emanate (M. Wyss and S. Matsumura) *Tectonophysics*, in press, 2005.

C. Articles in Preparation

1. Mapping b-value and local recurrence time in Greece, using the national earthquake catalog (G. Chouliaras, M. Wyss and G. N. Stavrakakis), in preparation, 2004.

D. Reports

1. Refraktionsmessungen im Schweizerischen Mittelland (with G. Schneider) Geotech Ag. Bern, 1963.
2. Magnetische Messungen Nord-Westlich von Brissago in der Gesteinszone von Ivrea, Diplomarbeit, ETH, Zurich, 1964.
3. Earthquake Prediction (with C. Kisslinger) U.S. National Report 1971-1974, International Union of Geodesy and Geophysics, 298-300, 1975.
4. Proyecto Hidroelectrico El Cajon Analysis del Riesgo Sismico (with J.P. Blanc and T.R. Schneider) Motorcolumbus, Baden, Switzerland, 1978.
5. Teleseismic P-residuals at Fort Tejon, California (with E.R. Engdahl) U.S.G.S., Summaries of Technical Reports, 5, 1978.
6. The orientation of crustal stress at El Cajon, Honduras (with R.A. Flores) Motorcolumbus, Baden, Switzerland, 1978.
7. Review of the Report "Seismicity and Design Earthquake" for the Alicura, Argentina Dam Site, Electrowatt, Zurich, Switzerland, 1979.
8. Seismic Risk in the Assam Gap, India, Open File Report No. 80-2011, 1981.
9. Crustal Dynamics of the Eastern Mediterranean, Plans for the Turkish and Greek parts of the Project, NASA, 1982.
10. Earthquake Prediction, U.S. National Report, International Union of Geodesy and Geophysics, 1982.
11. Strong ground motion simulations at the Colorado SSC-site due to a possible large earthquake in Colorado (with F. Scherbaum) State of Colorado, 1987.
12. Geological stability, seismic hazard and ground vibrations at the Colorado SSC site (with W.P. Rogers) State of Colorado, 1987.
13. The Inadequacy of PG&E's Seismic Hazard Evaluation for the Diablo Canyon Nuclear Power Plant, TURN (Toward Utility Rate Normalisation, California) October, 1988.
14. Report to the Geophysical Institute Advisory Consulting Board and Five Year Plan for the Seismology Group, internal GIUAF, February, 1992.
15. Review of the Seismic Hazard Assessment for the Shahid Radjaee Dam Site in NE Iran, Mahab Godss-Stucki-Electrowatt, Iran and Switzerland, February, 1993.
16. Review of the Seismic Hazard Assessment for the Ghir Dam Site in SW Iran, a Preliminary Report, Mahab Godss-Electrowatt, Iran and Switzerland, February, 1993.

17. Report of the United Nations Development Program Foreign Advisory Team, on the 1993 (M6.1) Latur Earthquake and the Earthquake Potential in Peninsular India (A. C. Johnston, M. Wyss and K. Mogi) February 28, 1994.
18. Report of the United Nations Development Program Foreign Advisory Team, on the Indian National Program for Improved Earthquake Hazard Assessment (M. Wyss, A. C. Johnston and K. Mogi) February 28, 1994.
19. Was a tilt precursor observed before the 1944 (M8.1) Tonankai earthquake? (M. Wyss) *Pageoph*, 149, 17-20, 1997.
20. The IASPEI procedure for the evaluation of earthquake precursors (M. Wyss and D. C. Booth) *Geophys. J. Int.*, 131, 423-424, 1997.
21. Early warning capabilities for geological hazards (M. Wyss member of working group on earthquake hazards, R. M. Hamilton, chair) in IDNDR Early Warning Programme, Reports on Early Warning, Potsdam, Germany, A2-A36, 1999.
22. Seismicity patterns, their statistical significance and physical meaning (M. Wyss, K. Shimazaki and A. Ito) *Pageoph*, 155, 203-205, 1999.
23. The seismic hazard at Morro de Arica, Capillucas and Platanal, Peru (M. Wyss and S. Wiemer) January 2000.
24. Three dimensional mapping of volumes with high crack density or pore pressure at the Coso geothermal field (M. Wyss) Final Project Report to U.S. Navy, pp.35, July 2000.
25. The Response to the Bhuj Earthquake of January 26, 2001 (Mw7.6) and Mitigation of Seismic Risk in India (together with S. K. Singh and M. Campillo) pp. 22, 15 April, 2001.
26. Testing the hypothesis that asperities of subduction earthquakes may be mapped based on minima in local recurrence time: Examples from Mexico and the Kanto-Tokai areas, Japan (M. Wyss, F. R. Zúñiga and S. Matsumura) *Tohoku Journal of Geophysics*, 2001.
27. New agency to promote natural hazards risk reduction worldwide (M. Wyss) *EOS*, 82, 40, 456, 2001.
28. Earthquake monitoring in the Sakhalin Island Area (M. Wyss and A. Koerner) Sakhalin Energy Investment Co., pp. 27, 2002.
29. Seismic Quiescence Precursors to Two M7 Earthquakes on Sakhalin Island, Measured by Two Methods (M. Wyss and G. Sobolev) Sakhalin Energy Investment Co., pp. 36, 2003.
30. Near real-time loss estimates after earthquakes world wide (M. Wyss) Humanitarian Aid (HA) of the Swiss Agency for Development and Cooperation, Annual Report, pp. 3, 2004.

E. Abstracts Published (This list is incomplete)

1. Wyss, M., J.N. Brune, and C.R. Allen, Slippage on the Superstition Hills, Imperial, Banning-Mission-Creek and Coyote Creek faults associated with the Borrego Mountain earthquake of 9 April 1968, *EOS*, 49, 714, 1968.
2. Wyss, M., J.N. Brune, and C.R. Allen, Slippage on the Superstition Hills, Imperial, Banning-Mission-Creek and Coyote Creek faults associated with the Borrego Mountain earthquake of 9 April 1968, *EOS*, 50, 252, 1969.
3. Wyss, M. and J.N. Brune, Shear stresses associated with earthquakes between 0 and 700 km depth, *EOS*, 50, 237, 1969.

4. Wyss, M. and J.N. Brune, Moments, energies, and dimensions of earthquakes with magnitudes from 1 to 3, EOS, 51, 357, 1970.
5. Wyss, M. and P. Molnar, Efficiency of a Denver, Colorado earthquake, EOS, 52, 276, 1971.
6. Hanks, T.C. and M. Wyss, The use of body wave spectra in the determination of seismic source parameters, EOS, 52, 276, 1971.
7. Wyss, M., Towards a physical understanding of the earthquake frequency distribution, EOS, 53, 1047, 1972.
8. Wyss, M. and L.J. Shoney, Source dimensions from spectra compared to deep aftershock areas, Seismological Society of America Meeting, Golden, May, 1973.
9. Wyss, M. and W. Dillinger, Resolution of S into SH and SV for determining moment and source dimension, Seismological Society of America Meeting, Golden, May, 1973.
10. Wyss, M. and D.J. Holcomb, Earthquake prediction based on station residuals, EOS, 54, 1135, 1973.
11. Wyss, M., Earthquake Prediction, keynote lecture presented at the Geophysical Society of Germany annual meeting, Stuttgart, 1975.
12. Wyss, M., Crustal uplift before major earthquakes deduced from sea level subsidence, EOS, 56, 1019, 1975.
13. Strelitz and M. Wyss, A deep multiple rupture earthquake in Peru, Fall Annual Meeting, American Geophysical Union, San Francisco, 1975.
14. Gawthrop, M. Wyss, R. Johnson and R.E. Habermann, Preliminary experiments on the behavior of mice before rock failure in the laboratory, in National Earthquake Hazards Reduction Program, Conference I, Abnormal Animal Behavior Prior to Earthquakes I, ed. J. Evernden, U.S. Dept. of the Interior Geological Survey, Menlo Park, 205-211, 1976.
15. Martin, R.J., R.E. Habermann and M. Wyss, The effect of stress on remanent magnetization during cyclic loading, EOS, 58, 502, 1977.
16. Wyss, M. and E.R. Engdahl, Relative teleseismic P-wave residuals from 1953 to 1971 at Fort Tejon and Pasadena, EOS, 58, 1121, 1977.
17. Habermann, R.E. and M. Wyss, Seismicity patterns before five major earthquakes, EOS, 58, 1194, 1977.
18. Khattri, K. and M. Wyss, Precursory variation of seismicity rate in the Assam area, India, EOS, 58, 1194-1195, 1977.
19. Wyss, M., Estimating expectable maximum magnitude of earthquakes from fault length, EOS, 59, 1125-1126, 1978.
20. Casaceli, W. and M. Wyss, Upper mantle heterogeneities beneath the eastern Rocky Mountains determined from P-residuals, EOS, 59, 1142, 1978.
21. Wyss, M., Estimating expectable maximum magnitude of earthquakes from fault dimensions, Proceedings, Sixth Symposium on Earthq. Eng., October 1978.
22. Wyss, M. and R.E. Habermann, Seismic quiescence precursory to a past and a future Kurile Island earthquake, EOS, 60, 589, 1979.
23. Wyss, M., and R.E. Habermann, Long term seismicity precursors, EOS, 60, 589, 1979.
24. Wyss, M., A.C. Johnston and S.M. Ihen, Precursors to the 1975 Hawaii earthquake, EOS, 60, 589, 1979.

25. Wyss, M., Hawaiian rifts and recent Icelandic volcanism: Expressions of plume generated triple junctions, *EOS*, 60, 610, 1979.
26. Casaceli, R. and M. Wyss, Upper mantle velocity heterogeneities beneath the Colorado Rocky Mountains determined from P-residuals, *Seism. Soc. Amer. Annual meeting*, Golden, CO, 1979.
27. Wyss, M. and M. Baer, Seismic hazard in the Hellenic island arc, *Annual meeting, European Geophysical Society*, Budapest, 1980.
28. Wyss, M., Seismic hazard in the Hellenic island arc, *Fall meeting of the American Geophysical Union*, San Francisco, 1980.
29. Johnston, A.C., M. Wyss, and R. Koyanagi, Stability and change of P-wave travel time in the crust, *EOS*, 62, 964, 1981.
30. Wyss, M. and R.E. Habermann, Seismicity patterns in the New Hebrides island arc, *EOS*, 62, 946, 1981.
31. Wilson, M.E. and M. Wyss, Stress drops and amplitude ratios of small earthquakes preceding the 1975 Hawaii M=7.2 mainshock, *EOS*, 62, 963, 1981.
32. Wyss, M. and R.E. Habermann, Partial asperity failure in the New Hebrides, *AGU Ann. Fall Meet.*, December 1982.
33. Wyss, M., Laser ranging and earthquake hazard in the eastern Mediterranean, *EGS Ann. Meet. Abstr.*, 79, 1982.
34. Wyss, M. and R.E. Habermann, Precursory seismic quiescence, *EGS Ann. Meet. Abstr.*, 55, 1982.
35. R. Zuniga, M. Wyss and R.E. Habermann, Are earthquake stress drop observations useful for prediction?, *EGS Ann. Meet. Abstr.*, 55, 1982.
36. Harvey, D. and M. Wyss, A detailed source model for the multiple 1975 Hawaii rupture, M=7.2, *Earthq. Notes*, 53, 52, 1982.
37. Wilson, M.E., R. Zuniga and M. Wyss, Stress drops of M=3.5 earthquakes preceding and following the 1975 Hawaii mainshock, *Earthq. Notes*, 53, 51, 1982.
38. Habermann, R.E., M. Wyss, W. McCann, and B. Perin, Precursory seismicity patterns: Triggering and tectonic control, *EOS*, 64, 761, 1983.
39. Zuniga, R., M. Wyss, M. Wilson, and J. Wahr, Stress drops of earthquakes in the source volume of the Kalapana earthquake and finite element modeling of the build up process, *EOS*, 64, 901, 1983.
40. Wilson, M. and M. Wyss, Temporal attenuation changes in the Koaie fault system, Hawaii, *EOS*, 64, 761, 1983.
41. Kind, R. and M. Wyss, Crustal transit time monitoring using PKP, *EOS*, 64, 762, 1983.
42. Wyss, M., The Hawaii M=7.2 earthquake, *IUGG Assembly*, Hamburg, Germany, August, 1983.
43. Wyss, M. and R.E. Habermann, Precursory seismic quiescence shows similar patterns for thrust, normal and strikeslip earthquakes along plate boundaries and elsewhere, *EOS*, 65, 987, 1984.
44. Habermann, R.E. and M. Wyss, Seismic quiescence and earthquake prediction on the Calaveras fault, California, *EOS*, 65, 988, 1984.

45. Wyss, M., Asperities of the 1975 Hawaii (M=7.2) earthquake: Their identification by seismicity patterns and stress-drops, and their influence on precursory anomalies, IASPEI Regional Assembly, Hyderabad, Proceedings, 73, 1984.
46. Wyss, M., Sea level changes related to earthquakes, IASPEI meeting, August 1985, Honolulu, abstract published in proceedings.
47. Wyss, M., Earthquake Prediction, IASPEI assembly, India, Nov. 1984.
48. Wyss, M. and R.O. Burford, Possible correlation of seismic quiescence and fault creep retardation along the San Andreas fault between San Juan Bautista and Stone Canyon, California, EOS, 66, 970, 1985.
49. Burford, R.O. and M. Wyss, A successful earthquake prediction on the San Andreas fault, California, EOS, 67, 1087, 1986.
50. Wyss, M. and R.E. Habermann, Seismic quiescence before a past and a future San Andreas fault earthquake, EOS, 67, 1087, 1986.
51. Wyss, M., Prediction of mainshocks on the creeping segment of the San Andreas fault, Monterey, CA, November, 1986.
52. Wyss, M. and R.E. Habermann, Precursory seismic quiescence, USGS redbook conference on Medium Range Precursors, Monterey, CA, November, 1986.
53. Kazi W., F. Scherbaum and M. Wyss, Synthetization of strong motion records from the November 16, 1983 Katoiki earthquake, Hawaii, EOS, 68, 361, 1987.
54. Kazi, W., F. Scherbaum and M. Wyss, Study of source complexities of the November 16, 1983, Katoiki earthquake (M=6.6) Hawaii, IUGG meeting, Vancouver, August, 1987.
55. Papadopoulos T., M. Wyss and D. Schmerge, Earthquake locations in the western Hellenic arc relative to the plate boundary, EOS, 68, 1352-1353, 1987.
56. Wyss, M., A proposed source model for the great Kau Hawaii earthquake of 1868, EOS, 68, 1353, 1987.
57. Scherbaum, F. and M. Wyss, Spectral analysis of microearthquakes preceding the 1983 Katoiki, Hawaii, earthquake, Seis. Res. Letts., 59, 30, 1988.
58. Wyss, M., Seismic gaps in Hawaii, Seis. Res. Letts., 59, 33, 1988.
59. Reasenber, P.A., M.V. Matthews, and M. Wyss, Re-examination of seismicity rate fluctuations before the 1983 Katoiki, Hawaii (M6) earthquake, Seis. Res. Letts., 59, 18, 1988.
60. Wyss, M. and R.Y. Koyanagi, Magnitudes of historic Hawaiian earthquakes estimated from macroseismic maps, Seis. Res. Letts., 59, 18, 1988.
61. Wyss, M. and Z. Fu, Precursory seismic quiescence before the 1982 Hilea, Hawaii, earthquake, EOS, 69, 1988.
62. Wyss, M. and D. Gillard, Major crustal earthquakes in Hawaii, EOS, 69, 566, 1988.
63. Wyss, M. and R.E. Habermann, The characteristics of precursory seismic quiescence, EOS, 69, 566, 1988.
64. Scherbaum, F. and M. Wyss, Strong ground motion simulations for eastern Colorado due to a possible large earthquake in the Arkansas Valley, Colorado, EOS, 69, 568, 1988.
65. Beisser, M., R. Kind and M. Wyss, Inversion of source parameters for subcrustal earthquakes in Greece and Turkey, EOS, 70, 307-308, 1989.

66. Bodin, P., M. Wyss and R.E. Habermann, The tempo of Parkfield seismicity: Allegro ma non troppo?, EOS, 70, 1230, 1989.
67. Wyss, M. and C. Kisslinger, Possible reasons for differences in the aftershock decay rates, EOS, 70, 1207, 1989.
68. Wyss, M., Seismic quiescence: New case histories and old ones reexamined, IASPEI, 25th General Assembly, Istanbul, August-September, p. 338, 1989.
69. Liang, B. and M. Wyss, Understanding the seismotectonics of the Kaoiki source volume for refining the prediction of the next $M=6\pm 0.5$ mainshock, IASPEI, 25th General Assembly, Istanbul, August-September, 359, 1989.
70. Wyss, M., Increased mean depth of earthquakes: A proposed precursor at Parkfield, EOS, 71, 1474, 1990.
71. Bodin, P., M. Wyss and R.E. Habermann, Seismic quiescence: A test of the hypothesis and a precursor of the next Parkfield, California, earthquake, EOS, 71, 1474, 1990.
72. Liang, B., M. Wyss and X. Wu, Comparison between the orientations of stress and strain tensors based on the fault plane solutions in Kaoiki, Hawaii, EOS, 71, 1561, 1990.
73. Intermediate term precursors at Parkfield, International Symposium on Earthquake Source Physics and Earthquake Precursors, Extended Abstracts, University of Tokyo, Tokyo, 177-180, 1990.
74. M. Beisser, D. Gillard and M. Wyss, Historic earthquakes in the Hawaiian islands, EOS, 72, 189, 1991.
75. M. Wyss, D. Gillard and B. Liang, An estimate of the absolute stress tensor in Kaoiki, Hawaii, IUGG, Vienna, IASPEI Proceedings, p139, August, 1991.
76. M. Wyss, Artificial and natural seismic quiescences in the Adak seismic catalog, IUGG, Vienna, IASPEI Proceedings, p286, August, 1991.
77. M. Wyss, Evaluation of earthquake precursors, IUGG, Vienna, August, 1991.
78. Gillard, M. Beisser and M. Wyss, A seismotectonic model for western Hawaii based on stress tensor inversion from fault plane solutions and inversion of source parameters of the August 21, 1951, $M=6.9$, earthquake, IUGG, Vienna, IASPEI Proceedings, p104, August, 1991.
79. Evaluating claims of earthquake precursors (M. Wyss) Earthquake Prediction - State of the Art, Strasbourg, October, 1991.
80. Examples of an artificial and a precursory seismic quiescence (M. Wyss) Earthquake Prediction - State of the Art, Strasbourg, October, 1991.
81. What does microseismicity tell us about fault creep? (P. Bodin and M. Wyss) EOS, 72, 291, 1991.
82. Evaluation of proposed earthquake precursors (M. Wyss) EOS, 72, 321, 1991.
83. Criteria for evaluating claims of precursor observations (M. Wyss) Proceedings of Electrical precursors to earthquakes: Fact or fiction? Riverside, CA, June, 1992.
84. Seismic quiescence at Parkfield: An error in the data, Conference on the Parkfield experiment, Santa Cruz, CA (M. Wyss) June, 1992.
85. Stress tensor orientation in the Alaska subduction zone estimated from earthquake focal mechanisms (H. Pulpan and M. Wyss) Wadati Conference on Great Subduction Earthquakes, Fairbanks, AK, Proceedings, 18, 1992.

86. Precursor reports in subduction zones (M. Wyss) Wadati Conference on Great Subduction Earthquakes, Fairbanks, AK, Proceedings, 114, 1992.
87. Seismic quiescence before the Landers 1992 earthquake (M. Wyss) EOS, 73, 373, 1992.
88. The role of normal faulting in large earthquakes along Hawaii's southeast coast (M. Wyss and D. Gillard) EOS, 73, 506, 1992.
89. Stress tensor orientation in the south flank of Kilauea, Hawaii, estimated from fault plane solutions (D. Gillard, M. Wyss and P. Okubo) EOS, 73, 506, 1992.
90. Stress tensor orientation in the Alaska subduction zone (H. Pulpan and M. Wyss) EOS, 73, 527, 1992.
91. Inversione del tensore degli sforzi dalle soluzioni a faglia piana dei terremoti Tirreno meridionale (G. Neri and M. Wyss) Atti dell' 11 Convegno Annuale del Gruppo Nazionale di Geofisica della Terra Solida, Roma, 159-162, 1992.
92. Rupture area of the Shumagin Island earthquake of 13 May 1993 (M6.9) estimated from aftershock distribution (Z. Lu, M. Wyss, G. Tytgat, S. McNutt and C. A. Rowe) added poster at Baltimore AGU, May, 1993.
93. The verification of earthquake precursors (M. Wyss) Proceedings, International Workshop on Electromagnetic Phenomena Related to Earthquake Prediction, Univ. of Electrocommunications, Chofu Tokyo, Japan, p.1, 1993.
94. Stress tensor orientation in the Alaska subduction zone (H. Petersen, M. Wyss and H. Pulpan) EOS, 74, 95, 1993.
95. Comparison of stress and strain tensor orientations in Iran and southern California, (D. Gillard and M. Wyss) EOS, 74, 612, 1993.
96. Seismicity rate changes in earthquake catalogs: Natural or artificial (M. Wyss and S. Wiemer) EOS, 74, 440, 1993.
97. Seismic quiescence as a precursor: Progress and problems (M. Wyss and S. Wiemer) IASPEI Proceedings, S6.1, 1994.
98. Stress tensor orientation in the descending Pacific plate beneath Alaska (H. Pulpan and M. Wyss) IASPEI Proceedings, W5.35, 1994.
99. Preliminary analysis of macroseismic observations of strong earthquakes in Alaska (M. Wyss and Z. Lu) Seis. Res. Letts., 65, 32, 1994.
100. Seismicity rate variations and systematic changes in magnitude in the Italian catalog (R. Console, F. Mele, M. Murru and M. Wyss) Proceedings of XXIV General Assembly ESC, Athens, September, 1994.
101. Evaluating the probability that predictions correlate by chance with earthquakes: Examples from Greece (M. Wyss and A. Allmann) EOS, 75, 454, 1994.
102. Segmentation of the Aleutian main thrust zone derived from stress directions estimated based on fault plane solutions (Z. Lu and M. Wyss) EOS, 75, 479 1994.
103. The hypothesis of precursory seismic quiescence (M. Wyss and S. Wiemer) EOS, 75, 454, 1994.
104. S-wave anisotropy in northern Cook inlet, Alaska (G. Tytgat and M. Wyss) EOS, 75, 450, 1994.
105. Seismicity rate change before the Irpinia (M=6.9) 1980 earthquake (M. Murru, R. Console, F. Mele and M. Wyss) EOS, 75, 461, 1994.

106. Positive aspects of precursory seismic quiescence (M. Wyss) IUGG, XXI General Assembly, Proceedings, A400, 1995.
107. Radial stresses from volcanoes generate large earthquakes (M. Wyss) IUGG, XXI General Assembly, Proceedings, A457, 1995.
108. Magnitude distribution anomalies in the WBZ below Japan (M. Wyss, S. Wiemer and S. Tsuboi) EOS, 77, W91, 1996.
109. Seismic quiescence occurs as a precursor after all (M. Wyss, S. Wiemer and W. J. Arabasz) EOS, 77, W92, 1996.
110. Details of stress directions in the Alaska subduction zone from fault plane solutions (Z. Lu, M. Wyss and H. Pulpan) EOS, 77, W113, 1996.
111. Mapping active magma chambers by b-values (M. Wyss, K. Shimazaki, Y. L. Zhao and S. Wiemer) EOS, 77, W131, 1996.
112. Significant precursory seismic quiescences in the extensional Wasatch front region, Utah (W. J. Arabasz and M. Wyss) EOS, 77, F455, 1996.
113. New evidence for and against precursory seismic quiescence (M. Wyss and S. Wiemer) EOS, 77, F455-F456, 1996.
114. Mapping the frequency-magnitude distribution in asperities: an improved technique to calculate recurrence times? (S. Wiemer and M. Wyss) EOS, 77, F504, 1996.
115. Earthquake prediction has made slow progress (M. Wyss) EOS, 77, F53, 1996.
116. Earthquake prediction research - state of the art (M. Wyss) Proceedings Earthquake Research in Turkey, Ankara, 2, 1996.
117. Mapping asperities and magma chambers by b-values (S. Wiemer and M. Wyss) Proceedings Earthquake Source and Fault Plane Solutions, Messina, 1997.
118. Details of stress directions in the Alaska subduction zone from inversion of fault plane solutions (Z. Lu, M. Wyss and H. Pulpan) Proceedings Earthquake Source and Fault Plane Solutions, Messina, 1997.
119. b-value tomography: defining asperities and magma chambers (S. Wiemer and M. Wyss) IASPEI Proceedings, 402, 1997.
120. Seismic quiescence before the M7, 1988, Spitak earthquake, Armenia (M. Wyss and A. Martyrosian) IASPEI Proceedings, 347, 1997.
121. Hypothesis: The seismicity rate is constant except when a change in process occurs (M. Wyss) EOS, 78, F483, 1997.
122. Shear-wave anisotropy in the mantle wedge beneath Cook Inlet, Alaska (U. Duenkel, G. Tytgat, S. Wiemer, M. Wyss) EOS, 78, F488, 1997.
123. Does diffusion of meteoric water change effective stress? (B. G. Luehr, M. Westerhaus, J. Zschau, M. Wyss) EOS, 78, F491, 1997.
124. Evidence for magma at intermediate crustal depth below Kilauea's east rift, Hawaii, based on anomalously high b-values in Kilauea's south flank (M. Wyss, K. Nagamine, S. Wiemer, F. Klein) EOS, 78, F828, 1997.
125. The frequency-magnitude distribution in volcanic areas (S. Wiemer, M. Wyss and S. McNutt) Japanese Geophys. Soc. Proceed., May, 1998
126. Earthquakes are predictable (M. Wyss) Geosciences 98, Keele University, England, April, 1998.

127. b-values for estimating recurrence times: average or asperity values? (S. Wiemer and M. Wyss) European Geophysical Society, 23 General Assembly, Nice, France, April, 1998.
128. Seismic quiescence is similar to fore- and aftershocks (M. Wyss and S. Wiemer) European Geophysical Society, 23 General Assembly, Nice, France, April, 1998.
129. Correlation of anomalously high b-values with magmatic activity (S. Wiemer and M. Wyss) European Geophysical Society, 23 General Assembly, Nice, France, April, 1998.
130. Local recurrence time in seismically active areas may be the most important estimate of seismic hazard (M. Wyss and S. Wiemer) EOS, 79, F644, 1998.
131. Temporal and three-dimensional spatial analysis of the frequency magnitude distribution near Long Valley caldera, California (S. Wiemer, S. R. Mc Nutt and M. Wyss) EOS, 79, FF962, 1998.
132. Real-time internet transmission of waveforms of microearthquakes from Japan to U.S.A. and to Russia (K. Katsumata, T. Urabe, M. Wyss, R. Hansen, A. Ivashchenko and M. Kasahara) EOS, 79, F567, 1998.
133. The stationary Poisson rate at which intermediate depth earthquakes are produced contrasts sharply with pre-and post-main shock quiescence (M. Wyss, Y. Toya and S. Wiemer) IUGG, Birmingham, abstracts A 137, 1999.
134. Local probability of a major earthquake: an alternative method to estimate local seismic hazard, the example of Greece (G. Chouliaras, M. Wyss, S. Wiemer, G. Stavrakakis and G. Drakatos) IUGG, Birmingham, abstracts A 150, 1999.
135. Local recurrence time, a new concept in earthquake hazard assessment (M. Wyss and S. Wiemer) IUGG, Birmingham, abstracts B 182, 1999.
136. Evidence for magma at intermediate crustal depth below Kilauea's east rift, Hawaii, based on anomalously high b-values in Kilauea's south flank (M. Wyss, K. Nagamine, S. Wiemer and F. Klein) IUGG, Birmingham, abstracts B 154, 1999.
137. Temporal and three-dimensional spatial analysis of the frequency magnitude distribution near Long Valley caldera, California (S. R. McNutt, S. Wiemer and M. Wyss) IUGG, Birmingham, abstracts AB 101, 1999.
138. Seismicity and Crustal Deformations Along Plate Boundaries: Asperities and Boundary Segmentation (M. Wyss) Workshop on Plate Boundary Observatory, Snowbird, Utah, October 3-5, 1999.
139. Preparing a real-time test for the hypothesis that minima in local recurrence times map asperities (M. Wyss and S. Wiemer) EOS, 80, 679, 1999.
140. Most and least likely locations of large to great earthquakes along the Pacific coast of Mexico, estimated from local recurrence times based on b-values (R. F. Zuniga and M. Wyss) EOS, 80, F651, 1999.
141. Analyzing seismicity rate changes: potential problems and pitfalls (M. Baer, S. Wiemer and M. Wyss) EOS, 80, F651, 1999.
142. Spatially-varying b-values in coal-mining seismicity in Utah: inferred influence of heterogeneity and stress differences on local mean magnitude (W. J. Arabasz and M. Wyss) EOS, 80, F651, 1999.

143. The major asperity of the M7.4 Izmit earthquake, defined by the microseismicity of the last decade (A. O. Oncel and M. Wyss) EOS, 80, F669, 1999.
144. Variations of the b-value in space and time and the state of deformation prior to the M=7.4 Izmit earthquake of Aug. 17, 1999 (M. Westerhaus, M. Wyss, R. Yilmaz and J. Zschau) EOS, 80, F663, 1999.
145. Main shocks causing long term change in seismicity rate defined by Coulomb stress changes. Three examples: Landers, Coso and Loma Prieta (D. Marriott, S. Hreinsdottir and M. Wyss) EOS, 81, S307, 2000.
146. The major asperities of the 1999 M_w 7.4 Izmit earthquake, defined by the microseismicity and GPS measurements of the two decades before it (M. Wyss, M. Westerhaus, S. Wiemer and A. O. Öncel) 23rd International Conference On Mathematical Geophysics, Nice, June18-23, 2000.
147. Testing the hypothesis that asperities of subduction earthquakes may be mapped based on minima in local recurrence time: Examples from Mexico and the Kanto-Tokai areas, Japan (M. Wyss, F. R. Zúñiga and S. Matsumura) International Conference on Global Change: Connection to the Arctic, Tohoku University, 20, 2000.
148. Comparison of Seismicity on Locked and Creeping Segments of the San Andreas Fault near Parkfield, California (C.G. Sammis, M. Wyss, S. Wiemer and R.M. Nadeau) Annual SCEC meeting, September, 2000.
149. Combined mapping of the earthquake size distribution and stress tensor orientation offers new insight into properties of faults (S. Wiemer, and M. Wyss) EOS, 81, F1213, 2000.
150. The change in the probabilistic earthquake hazard in Southern California due to the Landers M7.3 earthquake of 1992 (Wyss, M., and S. Wiemer) EOS, 81, F859, 2000.
151. Most likely locations of large earthquakes in the Kanto area, Japan, estimated based on local recurrence time, (M. Wyss and S. Matsumura) EOS, 81, F1245, 2000.
152. A candidate for the source and path of magma for volcanoes in the subduction zone of the northeastern Japan arc (J. Nakajima, M. Wyss and A. Hirasawa) EOS, 81, F926, 2000.
153. Stress tensor inversions from earthquakes beneath Redoubt volcano, Alaska (J. Sanchez, M. Wyss, S. McNutt) EOS, F1252, 2000.
154. The World Agency of Planetary Monitoring and Earthquake Risk Reduction (M. Wyss) 12th Civil Defence World Conference, Geneva, Switzerland, 25-27 June 2001.
155. Competing Earthquake Forecasts Test Relationship Between Small and Large Earthquakes: Application to California (Schorlemmer, D., Jackson, D. D., Wiemer, S., Wyss, M., Giardini, D.) Eos Trans. AGU, 83(47) Fall Meet. Suppl., S51D-08, 2002.
156. b-value: What about focal mechanisms? (Wyss, M., Schorlemmer, D., Koerner, A., Wiemer, S., Giardini, D) Eos Trans. AGU, 83(47) Fall Meet. Suppl., S72E-02TI, 2002.
157. Consequences for communities around the Marmara Sea due to possible future earthquakes near Istanbul (M. Wyss, J. Zschau, V. Larionov) EGU conference, Nice April, 2003.
158. An approximate estimate of the earthquake risk in the United Arab Emirates (Azm S. Al-Homoud and M. Wyss) EGU conference, Nice April, 2003.

159. Seismic Quiescence Precursors to Two M7 Earthquakes on Sakhalin Island, Measured by Two Methods (M. Wyss, G. Sobolev and J. D. Clippard) IUGG Assembly, Sapporo, July, 2003.
160. Seismic Risk in the United Arab Emirates, an Approximate Estimate (M. Wyss and Azm S. Al-Homoud) IUGG Assembly, Sapporo, July, 2003.
161. Can Asperities be Mapped by Seismicity Patterns?, Workshop on Seismic Activity and Probabilities of Major Earthquakes in the Kanto and Tokai area, central Japan (M. Wyss), March, 2004.
162. Verifying the validity of human loss estimates due to earthquakes, using QuakeLoss (M. Wyss) EGU, Nice, April, 2004.
163. Human losses expected in Himalayan earthquakes (M. Wyss) EGU, Nice, April, 2004.
164. Nucleation Points of Main Shocks in Southern Iceland, Mapped by *b*-Values (M. Wyss) EGU, Nice, April, 2004.
165. Real-time prediction of earthquake casualties (M. Wyss) Internat. Conf. on Disasters and Society – From Hazard Assessment to Risk Reduction, Univ. Karlsruhe, 26-27 July, p. 28, 2004.
166. Real-time loss estimates after earthquakes (M. Wyss) Conference on Applications and Challenges of Rapid Global Earthquake Impact Assessment, US Geological Survey, Golden ,Colorado, 30/31 Aug. 2004.
167. Problems with real-time loss estimates after earthquakes (M. Wyss) Conference on Applications and Challenges of Rapid Global Earthquake Impact Assessment, US Geological Survey, Golden ,Colorado, 30/31 Aug. 2004.
168. Real-time loss estimates after earthquakes with a calibrated data set and loss scenarios (M. Wyss) 5th Asian Seismological Commission, General Assembly 2004 Yerevan, Armenia, October 18-21, 2004.
169. Linking Earthquake Size Distribution to Stress (D. Schorlemmer, S. Wiemer, M. Wyss) Eos Trans. AGU, Fall Meet., 2004.
170. Quantitative Estimates of the Numbers of Casualties to be Expected due to Major Earthquakes Near Megacities (M. Wyss and F. Wenzel) Eos Trans. AGU, Fall Meet., 2004.
171. Errors and problems associated with real time loss estimates, after earthquakes in developing countries (M. Wyss) SSA, Annual Meeting, Reno, April, 2005.
172. Earthquake Loss Estimates in the Maghreb and Information about Building Stock from Satellite Images (M. Wyss) International Workshop on Improving the Earthquake Safety of Public Buildings in the Maghreb Region, Algiers, 22-24 May, 2005.
173. Applications of Satellite Images for Earthquake and Tsunami Risk Estimates (M. Wyss) Workshop on the Use of Remote Sensing Techniques for Monitoring Volcanoes and Seismogenic Areas, Napoli, 23-24 June, 2005.

F. Papers Unpublished, Presented by M. Wyss. (This list is incomplete)

1. Physics Colloquium, University of Karlsruhe, Germany, 1975.
2. Geophysics Seminar, Federal Institute of Technology, Zurich, Switzerland, 1975.
3. Geophysics Seminar, Technical University, Clausthal, Germany, 1975.

4. Geophysics Seminar, Ruhr University, Bochum, Germany, 1975.
5. Geophysics Seminar, University of Frankfurt, Germany, 1975.
6. Geophysics Seminar, University of Stuttgart, Germany, 1975.
7. Geology Seminar, University of Basel, Switzerland, 1975.
8. Geophysics Seminar, University of Strasbourg, France, 1975.
9. Geophysics Seminar, Geophysical Society of Denmark, Copenhagen, Denmark, 1975.
10. Precursory seismic quiescence, Geophysics Colloquium, Roorkee University, India, 1976.
11. Seismic hazard in Hawaii, Geophysics Colloquium, Roorkee University, India, 1978.
12. The state of earthquake prediction research, Colloquium, National Seismological Laboratory, Rome, Italy, 1980.
13. Earthquake Prediction, Colloquium, Geophysical Institute, University of Frankfurt, Germany, 1980.
14. The asperity model for earthquake precursors, Interdisciplinary conference on problems related to the North Anatolian Fault zone, Istanbul, April 1980.
15. Eastern Mediterranean Crustal Dynamics Project, NASA program meeting, September, 1981.
16. Seismic hazard in the Hellenic arc, Conference on Hellenic Arc, Athens, April 1981.
17. The asperity model for earthquake ruptures: Implications for precursors, AGU Chapman Conference on Fault Behavior and the Earthquake Generation Process, October, 1982.
18. Precursory parameters, Tokyo, Japan, November, 1983.
19. Earthquake hazard in Greece, NASA Spring meeting, Boulder, CO, March 1984.
20. Earthquake source complexities and prediction, Conference on Earthquake Prognostics, June 1986, Berlin.
21. The successful prediction of an earthquake on the San Andreas fault, Seismology Seminar, CALTECH, Pasadena, CA, 1986.
22. A successful earthquake prediction using seismic quiescence, Colloquium, IGPP, UCLA, Los Angeles, CA, 1986.
23. The successful prediction of a Californian earthquake, USC, Colloquium, 1986.
24. Precursory seismic quiescence, International Conference on Earthquake Precursors, Academy of Sciences, Beijing, China, September, 1987.
25. Earthquake prediction at Parkfield, Geophysical Institute, University of Alaska, Fairbanks, AK, April 1990.
26. Seismic quiescence as an earthquake prediction tool, Colloquium, University of Kiel, Germany, June 1990.
27. Current precursors at Parkfield, Colloquium, University of Kiel, Germany, June 1990.
28. Current precursors at Parkfield, Colloquium, Technical University, Berlin, Germany, July 1990.
29. The state of earthquake prediction, Lecture, Seismological Central Observ., Erlangen, Germany, July 1990.
30. The prediction of the Parkfield earthquake, Colloquium, Federal Institute of Technology, Zürich, Switzerland, July 1990.

31. Precursory seismicity patterns before mainshocks, Conference on earthquake source models, University of California, Santa Barbara, California, June, 1991.
32. Earthquake prediction: state of the art, Istituto di Geofisica e Geodesia, Universita degli Studi Messina, Italy, February, 1992.
33. Estimating stress tensor orientations from fault plane solutions in Hawaii, Istituto Internazionale di Vulcanologia, Catania, Italy, February, 1992.
34. Earthquake prediction: state of the art, Istituto Nazionale di Geofisica, Rome, Italy, March, 1992.
35. Earthquake prediction: state of the art, Istituto di Fisica, Universita degli Studi Bologna, Italy, March, 1992.
36. Earthquake prediction: state of the art, Osservatorio Geofisico Sperimentale, Trieste, Italy, March, 1992.
37. Estimating stress tensor orientations from fault plane solutions in Hawaii, Istituto di Geodesia e Geofisica, Universita degli Studi Trieste, Italy, March, 1992.
38. Earthquake prediction: state of the art, Istituto per la Geofisica della Litosfera, Milano, Italy, March, 1992.
39. A critical view of precursor reports, International Conference on Continental Earthquakes, Beijing, China, October, 1992.
40. Estimating stress tensor orientations from fault plane solutions, Istituto di Geofisica e Geodesia, Universita degli Studi Messina, Italy, April, 1993.
41. Estimating stress tensor orientations from fault plane solutions, Istituto Nazionale di Geofisica, Rome, Italy, May, 1993.
42. Earthquake prediction based on seismicity patterns, Istituto Nazionale di Geofisica, Rome, Italy, May, 1993.
43. The Shumagin Island earthquake of 13 May 1993 presentation to NEPEC with figures and captions contained in NEPEC report.
44. Seismic hazard in Hawaii presentation to NEPEC with figures and captions contained in NEPEC report.
45. Estimating stress tensor directions by inverting fault plane solutions, Earthquake Research Institute, University of Tokyo, Tokyo, Japan, 3 September, 1993.
46. Estimating stress tensor directions by inverting fault plane solutions, Observation Center for Prediction of Earthquakes and Volcanic Eruptions, Tohoku University, Tohoku, Japan, 4 September, 1993.
47. Estimating stress tensor directions by inverting fault plane solutions, National Research Institute for Earth Science and Disaster Prevention, Tsukuba, Japan, 9 September, 1993.
48. Precursory seismic quiescence before the recent large Californian earthquakes, National Research Institute for Earth Science and Disaster Prevention, Tsukuba, Japan, 9 September, 1993.
49. Estimates of stress and strain directions from fault plane solutions in Hawaii, California and Iran (D. Gillard and M. Wyss) IASPEI 27th General Assembly, added paper, 1994.
50. Seismic quiescence as an earthquake prediction tool, National Geophysical Research Institute, Hyderabad, India, 11 February, 1994.

51. The technique of inverting fault plane solutions for the stress tensor directions, National Geophysical Research Institute, Hyderabad, India, 11 February, 1994.
52. Earthquake prediction, Department of Science and Technology, New Delhi, India, 15 February, 1994.
53. Estimating stress tensor orientations from fault plane solutions in Hawaii and Iran, Istituto di Geofisica e Geodesia, Universita degli Studi Messina, Italy, April, 1994.
54. Estimating stress tensor orientations from fault plane solutions in Hawaii, Istituto Nazionale di Geofisica, Rome, Italy, May, 1994.
55. Segmentation of plate boundaries estimated from stress directions, Istituto di Geofisica e Geodesia, Universita degli Studi Messina, Italy, April, 1995.
56. Problems with the VAN claims of earthquake predictions, Istituto Nazionale di Geofisica, Rome, Italy, May, 1995.
57. Brief summary of some reasons why the VAN hypothesis for predicting earthquakes has to be rejected, A Critical Review of VAN, at the Royal Society of London, May 12, 1995.
58. What's wrong with the VAN method, and Seismic quiescence, Kyoto University, November, 1995.
59. Three lectures: (a) seismic quiescence at Izu-Oshima, (b) mapping magma chambers by b-values, (c) b-values in the Japanese subduction zone, Earthquake Research Institute, University of Tokyo, December, 1995 and January 1996.
60. Precursory seismic quiescence, Tokyo Institute of Technology, January, 1996.
61. Seismic quiescence and mapping magma chambers by b-values, Institute for Mathematical Statistics, Tokyo, January, 1996.
62. Seismic quiescence as a precursor and mapping magma chambers by b-values, Forest seminar series, Japan Meteorological Agency, Tsukuba, Japan, February, 1996.
63. Seismic quiescence as a precursor and mapping magma chambers by b-values, Hokkaido University, Sapporo, Japan, March 12, 1996.
64. Seismic quiescence as a precursor and mapping magma chambers by b-values, Tohoku University, Sendai, Japan, March 14, 1996.
65. The use of b-value tomography, GeoForschungsZentrum, Potsdam, Germany, January 9, 1997.
66. Estimates of stress directions from fault plane solutions, GeoForschungsZentrum, Potsdam, Germany, February 13, 1997.
67. Precursory seismic quiescence revisited ten years later, USGS, Menlo Park, California, February 20, 1997.
68. Variations in fractal distribution of earthquake, size estimated from b-values, USGS, Menlo Park, California, February 21, 1997.
69. The use of b-value tomography, GeoForschungsZentrum, Potsdam, Germany, January 9, 1997.
70. The use of ZMAP for defining seismicity patterns, Res. Cent. Predict. of Earthquakes and Volc. Eruptions, Tohoku University, September, 1997
71. Quantitative mapping of seismic quiescence off-Sanriku, 1989 and 1995, Geophysical Institute, Univ. of Tohoku, October, 1997.

72. Precursory seismic quiescence, new results, Seismology group, Utsunomia University, October, 1997.
73. The status of seismic quiescence as a precursor, Insitut du Physic du Globe, Universite de Paris, Place Jussieu, Paris, 12 March, 1998.
74. Evaluating our Understanding of the Earthquake Generating Process, or Common Sense Versus Artificial Intelligence: The Case of a Seismic Gap in the Aleutians, GeoForschungsZentrum, Potsdam, Germany, 29 April, 1998.
75. Koennen seismizitaets Patterns (Gaps, Quiescence, Momentrelease) zur Erdbebenvorhersage beitragen?, Ruhruniversitaet Bochum, Germany, 30 April, 1998.
76. Earthquake prediction around the world, four public lecture at the libraries of Fairbanks and Anchorage, Alaska, February, 1999.
77. Testing the hypothesis that minima in local recurrence time map asperities, CALTECH, February, 1999.
78. The use of b-value mapping in geothermal fields, Naval Weapons Testing Facility, China Lake, February, 1999.
79. Estimating stress directions from inversion of fault plane solutions, UNAM, Queretaro, March 1999.
80. Exciting results from mapping local b-values, USC, March, 1999.
81. Seismic quiescence as a precursor, UNAM, Queretaro, March 1999.
82. Mapping active magma chambers beneath volcanoes using b-values, UNAM, Queretaro, March 1999.
83. Mapping asperities along faults by b-values, UNAM, Queretaro, March 1999.
84. Mapping magma chambers and asperities by b-values, UCLA, April, 1999.
85. Critical thoughts on the prediction of a "BIG event" in Iceland in the fall of 1998 by S. Crampin (M. Wyss) EAECEP, Birmingham, 21 July, 1999.
86. Testing the hypothesis that minima in local recurrence time map asperities, UCLA, January 11, 2000.
87. What is the meaning of anomalies in local recurrence times and b-values?, USC, 25 January, 2000.
88. Mapping magma chambers and fault asperities by b-values, Universidad Federico Villareal, Lima, Peru, February 10, 2000.
89. Earthquake prediction: seismic quiescence as an example, Universidad Federico Villareal, Lima, Peru, February 11, 2000.
90. Mapping asperities in the San Jacinto fault zone by b-values, Scipps, La Jolla, 10 March, 2000.
91. Local recurrence time anomalies map asperities, University of Washington, Seattle, 29 March, 2000.
92. Mapping magma chambers and asperities by b-values, UC Santa Barbara, 14 April, 2000.
93. Mapping magma chambers and asperities by b-values, UC Berkeley, 1 May, 2000.
94. Three-dimensional b-value mapping of the Coso geothermal reservoir, Naval Air Weapons Station, China Lake, 22 May 2000.

95. The source and path of magma for island arc volcanism, AVO, USGS Anchorage, 12 September, 2000.
96. Mapping reservoir properties with b-values, Shell, DeHague, Netherlands, 23 October, 2000.
97. Is it time to track down silent earthquakes and the transients they generate?, ETHZ, 18 January, 2001.
98. Earthquake prediction revisited, Academy of Engineering, Lisboa, Portugal, 29 March, 2001.
99. New ideas in the world of b-values, Institute of Seismology, Lisboa, Portugal, 30 March, 2001.
100. Physics colloquium, University of Karlsruhe, Germany, 11 May, 2001.
101. Geophysical Insitute, University of Karlsruhe, Germany, 14 May, 2001.
102. Centre Sismologic, Strasbourg, France, 14 May, 2001.
103. ETH, Zuerich, Switzerland, 18 May, 2001.
104. Istituto Nazionale di Geofisica, Roma, Italy, 1 June, 2001.
105. Seismological Center, University of Messina, Italy, 5 June, 2001.
106. GeoforschungsZentrum, Potsdam, Germany, 15 June, 2001.
107. Institut fuer Geophysik, Universitaet Kiel, Germany, 18 June, 2001.
108. The mission of WAPMERR, 12th Civil Defence World Conference, 25-27 June 2001, Geneva, Switzerland.
109. The possibility of precursory quiescence and b-value changes in Iceland (M. Wyss) PREPARED conference, February 24-26, 2004.
110. Real time loss estimates after earthquakes, (M. Wyss) Applications and Challenges of Rapid Global Earthquake Assessment, NEIC USGS Golden CO, 30-31 August, 2004.
111. Problems with real time loss estimates after earthquakes, (M. Wyss) Applications and Challenges of Rapid Global Earthquake Assessment, NEIC USGS Golden CO, 30-31 August, 2004.