

Publications

- Parsons, T., C. Ji, E. Kirby, Stress changes from the 2008 Wenchuan earthquake and increased hazard in the Sichuan basin, *Nature*, 454, 509-510, 2008
- Song, YT, Fu, LL, Zlotnicki, V, C. Ji, Hjorleifsdottir, V, Shum, CK, Yi, Y, The role of horizontal impulses of the faulting continental slope in generating the 26 December 2004 tsunami, *Ocean modeling*, 20(4), 362-379. 2008
- Hartzell, S. Liu, P. Mendoza, C. Ji, C. Larson, K. M., Stability and uncertainty of finite-fault slip inversions: Application to the 2004 Parkfield, California, earthquake, *Bulletin Of The Seismological Society Of America*, 97, 1911-1934, 2007.
- Chlieh, M. Avouac, J. P. Hjorleifsdottir, V. Song, T. R. A. Ji, C. Sieh, K. Sladen, A. Hebert, H. Prawirodirdjo, L. Bock, Y. Galetzka, J., Coseismic slip and afterslip of the great M-w 9.15 Sumatra-Andaman earthquake of 2004, *Bulletin Of The Seismological Society Of America*, 97, S152-S173., 2007.
- Konca, A. O. Hjorleifsdottir, V. Song, T. R. A. Avouac, J. P. Helmberger, D. V. Ji, C. Sieh, K. Briggs, R. Meltzner, A. Rupture kinematics of the 2005 M-w 8.6 Nias-Simeulue earthquake from the joint inversion of seismic and geodetic data, *Bulletin Of The Seismological Society Of America*, 97, S307-S322, 2007
- Pritchard, M. E. Norabuena, E. O. Ji, C. Boroschek, R. Comte, D. Simons, M. Dixon, T. H. Rosen, P. A. Geodetic, teleseismic, and strong motion constraints on slip from recent southern Peru subduction zone earthquakes, *Journal Of Geophysical Research-Solid Earth*, 112, ISI:000245022900001, 2007.
- Han, S-C, C. K. Shum, M. Bevis, C. Ji, C-Y. Kuo, Crustal dilatation observed by GRACE after the 2004 Sumatra-Andaman earthquake, *Science*, 313, 658-662, 2006.
- Pritchard, M. E. Ji, C. and Simons, M., Distribution of slip from 11 M-w > 6 earthquakes in the northern Chile subduction zone, *Journal Of Geophysical Research-Solid Earth*, 111, ISI:000241121700002, 2006.
- Krishnan, S., Chen, J., Komatitsch, D., and Tromp, J. *Impact of a large San Andreas Fault earthquake on tall buildings in Southern California*, Proceedings of the 8th National Conference on Earthquake Engineering, Earthquake Engineering Research Institute, April 18 - 22, 2006, San Francisco, California, USA, Paper No. 154. 2006
- Krishnan, S., Chen, J., Komatitsch, D., and Tromp, J., 2006. *Case studies of damage to tall steel moment-frame buildings in Southern California during large San Andreas earthquakes*, *Bull. Seism. Soc.Amer.*, 96 (4A), pp 1523-1537, August 2006, doi: 10.1785/0120050145. 2006.
- Ji, C. Tsuboi S, Komatitsch D, Tromp J. Rayleigh-wave multipathing along the west coast of North America, *Bulletin of Seismological Society of America*, 95 (6): 2115-2124, 2005.

Bakun, WH, Aagaard, B, Dost, B, Ellsworth, WL, Hardebeck, JL, Harris, RA, Ji, C., Johnston, MJS, Langbein, J, Lienkaemper, JJ, Michael, AJ, Murray, JR, Nadeau, RM, Reasenberg, PA, Reichle, MS, Roeloffs, EA, Shakal, A, Simpson, RW, Waldhauser, F., Implications for prediction and hazard assessment from the 2004 Parkfield earthquake, *Nature*, 437 (7061): 969-974, 2005

Song YT, C. Ji, Fu LL, Zlotnicki V, Shum CK, Yi YC, Hjorleifsdottir V, The 26 December 2004 tsunami source estimated from satellite radar altimetry and seismic waves, *Geophysical Research Letters*, Art. No. L20601, 2005

Ammon, C. J., C. Ji, H-K Thio, D. Robinson, S. Ni, V. Hjorleifsdottir, H. Kanamori, T. Lay, S. Das, D. Helmberger, G. Ichinose, J. Polet, D. Wald, Rupture process of the 2004 Sumatra-Andaman earthquake, *Science*, 308, 1133-1139, 2005

Langbein J., R. Borcherdt, D. Dreger, J. Fletcher, J. L. Hardbeck, M. Hellweg, C. Ji, M. Johnston, J. Murray, R. Nadeau, M. J. Rymer, and J. A. Treiman, Preliminary report on the 28 September 2004 M 6.0 Parkfield, California Earthquake, *Seismological Research Letters*, 76 (1), 10-21, 2005.

Ji, C., K. M. Larson, Y. Tan, K. W. Hudnut, and K. Choi, Slip history of the 2003 San Simeon earthquake constrained by combining 1-Hz GPS, strong motion, and teleseismic data, *Geophys. Res. Lett.*, Vol. 31, No. 17, L17608, 10.1029/2004GL020448c.

Ji, C., D. Helmberger, and D.J. Wald, A teleseismic study of the 2002 Denali, Alaska, earthquake and implications for rapid strong motion estimation, *Earthquake Spectra*, Vol 20, No. 3, 617-637, 2004a.

Hardebeck, J.L., J. Boatwright, D. Dreger, R. Goel, V. Graizer, K. Hudnut, C. Ji, L. Jones, J. Langbein, J. Lin, E. Roeloffs, R. Simpson, K. Stark, R. Stein, and J. Tinsley, Preliminary Report on the 22 December 2003, M6.5 San Simeon, California Earthquake, *Seismological Research Letters*, 75 (2), 155-172, 2004.

Tsuboi, S., D. Komatitsch, C. Ji, and J. Tromp, Broadband modeling of the 2002 Denali fault earthquake on the Earth Simulator, *Physics of the Earth and Planetary Interiors*, 139 (3-4), 305-312, 2003.

Anderson, G., and C. Ji, Static stress transfer during the 2002 Nenana Mountain-Denali Fault, Alaska, earthquake sequence, *Geophys. Res. Lett.*, 30 (6), art. no.-1310, 2003.

Ma, K.F., E.E. Brodsky, J. Mori, C. Ji, T.R.A. Song, and H. Kanamori, Evidence for fault lubrication during the 1999 Chi-Chi, Taiwan, earthquake (Mw7.6), *Geophys. Res. Lett.*, 30 (5), art. no.-1244, 2003.

Savage, B., C. Ji, and D.V. Helmberger, Velocity variations in the uppermost mantle beneath the southern Sierra Nevada and Walker Lane, *Journal of Geophysical Research-Solid Earth*, 108 (B7), art. no.-2325, 2003.

Ji, C., D.V. Helmberger, D.J. Wald, and K.F. Ma, Slip history and dynamic implications of the 1999 Chi-Chi, Taiwan, earthquake, *Journal of Geophysical Research-Solid Earth*, 108 (B9), art. no.-2412, 2003.

- Ji, C., D. J. Wald and D. V. Helmberger, Source description of the 1999 Hector Mine earthquake; Part II: Complexity of slip history. *Bull. Seis. Soc. Am.*, 92, 1192-1207, 2002b.
- Ji, C., D. J. Wald and D. V. Helmberger. Source description of the 1999 Hector Mine earthquake; Part I: Wavelet domain Inversion theory and resolution analysis, *Bull. Seis. Soc. Am.*, 92, 1207-1226, 2002a.
- Ji, C., D. V. Helmberger, T.-Song, K. -F. Ma and D. J. Wald, Co-seismic slip distribution and tectonic implication of 1999 Chi-Chi earthquake, *Geophys. Res. Lett.*, 4379-4382, 28 (23), 2001.
- Helmberger, D.V., C. Ji, and B. Savage, Adaptive techniques for estimating and locating small events using regional waveform data, *22nd Annual DoD/DOE Seismic Research Symposium*, Vol 2, 161-169, 2000.
- Ji, C., D. V. Helmberger and D. J. Wald. Basin structure estimation by waveform modeling: forward and inverse methods, *Bull. Seis. Soc. Am.*, 90, 964-976, 2000.
- Zhang LinBin., Yao Zhenxing, Ji Chen, and Zhang Z.J. Fast simulated annealing algorithm and its application, *Oil Geophysical Prospecting*, 32, 654-660, 1997b (In Chinese).
- Zhang L.-B, Ji Chen; Yao Zhenxing, Stochastic hill-climbing algorithm for poststack seismic trace inversion, *Oil Geophysical Prospecting*, 32, 75-80, 1997a (In Chinese)
- Ji, C. and Z.-X. Yao. Uniform design optimization method for geophysics inversion problem. *Acta Geophysica Sinica*, 39, 233-242, 1996.
- Ji, C. and Z.X. Yao, The study of the method for broadband regional synthetic seismogram, *Acta Geophysica Sinica*, 38, 460-468, 1995 (In Chinese).
- Yao Zhenxing; Zhang Linbin; Ji Chen; Zhang Zhongjie, Linearized wave impedance inversion of stacked seismic data, *Oil Geophysical Prospecting*, 30, 609-614, 1995 (In Chinese)
- Liu Pengcheng; Ji Chen; Hartzell, S., An improved simulated annealing downhill simplex hybrid global inverse algorithm, *Acta Geophysica Sinica*, 38, 199-205, 1995.