

National Science Foundation, \$231,437, PI (2011)
The Role of Sediments in Rupture Dynamics of Tsunami Earthquakes and Tsunami Generation

United States Geological Survey, \$79,815, PI (2011)
Exploring the Likelihood of Earthquake Ruptures on the San Andreas Fault Breaking Through the San Geronio Pass Area by Using Dynamic Rupture Simulations and the Community Fault Model

Southern California Earthquake Center, \$20,000, PI (2011)
Extraction of Station-to-Station Green's Functions From Seismic Coda in Southern California

Southern California Earthquake Center, \$20,000, co-PI (2011)
Exploring the Probability of Fault-to-Fault Jumps During Earthquake Ruptures by Using Three-Dimensional Dynamic Simulations

Southern California Earthquake Center, \$8,000, PI (2010)
3D Rupture Dynamics, Validation of the Numerical Simulation Method

Southern California Earthquake Center, \$60,000, PI (2010)
Dynamic Rupture Modeling of M6.5 Normal Faulting Scenarios and Simulation of Strong Ground Motion

Southern California Earthquake Center, \$20,000, PI (2010)
Testing the Waveguide Effect on Ground Motion in Los Angeles Using Ambient-Noise Green's Functions

Southern California Earthquake Center, \$20,000, PI (2010)
Stress Heterogeneity, Strongly Velocity-Weakening Friction, and Inelastic Off-Fault Response

Southern California Earthquake Center, \$10,000, PI (2010)
3D Rupture Dynamics, Validation of the Numerical Simulation Method

United States Geological Survey, \$74,885, PI (2010)
Dynamic Modeling of M_w 7.0 Earthquakes on the Sierra Madre – Cucamonga Fault System and Its Implications for Strong Ground Motions in Greater Los Angeles: Effects of Inelastic Off-Fault Response

Southern California Earthquake Center, \$35,000, PI (2009)
Effects of Off-Fault Inelasticity on 3D Dynamic Interaction of an Echelon Strike-Slip Faults

Southern California Earthquake Center, \$14,000, PI (2009)
3D Rupture Dynamics, Validation of the Numerical Simulation Method

Southern California Earthquake Center, \$37,000, PI (2008)
3D Rupture Dynamics, Validation of the Numerical Simulation Method