

# Keyword Index of Journal of Disaster Research Volume 4, 2009

## 1

1755 Lisbon Tsunami .....41  
1944 Tonankai earthquake .....118

## 2

2 step formulation .....271  
2008 Iwate-Miyagi Nairiku  
earthquake .....229

## A

adaptation .....24  
adaptation measures .....3, 32  
advanced data analyses .....99  
advanced earthquake cycle  
simulation .....99  
AGCM20 .....12  
alphavirus .....322  
animal health .....309  
application .....237  
application in schools.....229  
arbovirus .....322  
artificial neural network .....260  
aseismic sliding .....106  
asperity .....106

## B

base isolation.....182, 199  
beam string structure.....220  
biosafety level 4-pathogens.....315  
bioterrorism .....291, 352  
bore .....391, 419  
bottom pressure gauge .....489  
bridge.....153  
BSL4 facility.....352  
buckling .....427  
building.....410  
building response .....135  
Building Standard Law .....261

## C

cast steel .....182  
charitable giving .....499  
civic participation.....271

climate change .....3, 12  
collision force.....441  
column .....391  
compacted cohesive soils .....469  
concentrating seismic energy .....229  
counter-measure equipment .....218  
creeping .....282  
cultural assets .....199  
cylinder .....391  
cylindrical structure.....427

## D

damage.....153  
damage-free structure design .....261  
damage prediction .....135  
damper .....175  
demonstration test .....229  
depopulation .....142  
design formula.....404  
developing country .....298  
diagnosis .....315  
disaster .....237  
disaster epidemiology.....337  
disaster immunity .....7  
disaster mitigation.....61, 151, 218  
disaster mitigation strategy .....135  
disaster reduction .....211  
disasters .....291, 298  
drag coefficient.....404  
drag force .....410  
drag zone .....282  
drifted container .....441  
driftwood collision force.....435

## E

early warning.....202, 211, 218, 251  
earthquake .....202, 211, 218  
earthquake cycle .....111  
earthquake early warning .....237  
earthquake early warning system  
.....229, 260  
Earth Simulator .....118  
embankments .....469  
emergency earthquake alert .....242  
emergency response .....211  
emerging infections .....291  
energy dissipation.....253

epidemiological triangle.....356  
erosion .....462  
erosion law .....469  
evacuation .....267  
experiment .....410

## F

flavivirus .....322  
flood disaster .....32  
flood forecast.....272  
flood insurance .....32  
fluid-structure interaction .....450  
force .....391  
fragility curve .....479  
friction .....106  
front-site waveform .....260  
functionality.....175

## G

glass facade .....182  
global warming .....7, 32  
ground motion .....202  
guidelines.....410

## H

henipaviruses .....309  
high-rise reinforced concrete  
building.....246  
high seismic performance .....229  
historical tsunamis.....479  
hospital .....237  
hurricane .....419

## I

IB Method .....441  
imbalanced state .....7  
infectious disease .....298  
infectious diseases.....337, 352  
inland earthquakes.....99  
international cooperation .....3, 337  
interplate episodic slow-slip.....72  
inundation flow .....435  
isolated structures .....242  
isolator .....175

**J**

JSSI Passive Control Manual.....261

**L**

landslide.....153  
 large-scale infections.....291  
 lattice framework.....182  
 light-frame wood.....419  
 long-period ground motions .....118  
 long-term recovery .....142  
 long-term recovery planning.....271  
 long span .....192  
 LS-DYNA.....441

**M**

mass damper.....246  
 mass damper effect .....229  
 master plan .....271  
 material characterization.....94  
 Maxwell model.....253  
 media .....499  
 medical complex .....208  
 medical countermeasures .....329  
 medium heterogeneity .....99  
 megathrust earthquake .....83, 151  
 megathrust earthquakes .....72  
 method of characteristics .....391  
 microseismicity.....94  
 middle-story isolation.....229  
 mitigation .....24, 127  
 Miyagi-ken Oki earthquake .....229  
 multiphysics.....450  
 multiscale.....450

**N**

Nankai-Trough earthquake.....118  
 Nankai megathrust earthquakes ..99  
 Nankai Trough .....61, 67, 83, 111, 127, 151  
 natural disaster .....337  
 natural disasters.....499  
 NDMC .....237  
 news.....499  
 northeast Japan.....94  
 numerical model.....41  
 numerical modeling.....479

**O**

observation .....61  
 offshore observatory.....489  
 oil damper .....253  
 on-site warning.....251  
 outbreaks .....298

**P**

P&Delta;-effect.....239  
 p-wave-pick-up sensor .....251  
 pandemic (H1N1) 2009 virus ....356  
 passive control.....261  
 passive response control .....239  
 performance-based design.....208  
 plastic deformation.....282  
 plate boundary .....83, 94  
 post-exposure prophylaxis (PEP)  
 .....346  
 pre-cast pre-stressed concrete ....220  
 preparedness.....315, 329  
 pressure monitoring.....72  
 principal component analysis.....94  
 probability of occurrence .....435  
 program evaluation.....142  
 public health.....309  
 P wave .....202

**Q**

quantitative precipitation  
 forecasting .....272  
 quay wall .....462

**R**

rabies .....346  
 re-emerging infections .....291  
 real-time.....218  
 real-time ground motion  
 forecasting .....260  
 recombinant nucleoproteins .....315  
 recovery and restoration .....32  
 refugee.....298  
 remote sensing.....479  
 residential building .....419  
 runoff model.....272

**S**

safety .....175  
 scale dependence.....111  
 scour .....462  
 seafloor geodesy.....72  
 segmentation.....83  
 seismic-isolation.....175  
 seismic disaster prevention .....242  
 seismic intensity .....251  
 seismic isolated building.....192  
 seismic isolation.....246  
 seismic isolation of roof .....220  
 seismic isolation retrofit.....208  
 seismic linkage .....61  
 seismic retrofit.....199  
 seismic survey .....67  
 seismic tomography .....67  
 seismogenic zone .....67

semi-active control .....253  
 shear beam model .....261  
 simulated earthquake motion ....199  
 simulation.....61, 106  
 simulation tool.....135  
 site-specific strong ground motion  
 prediction.....208  
 slender building .....239  
 slope .....153  
 slow earthquake.....83  
 smallpox .....329  
 social change .....3  
 social phenomena  
 structural/nonstructural measures.24  
 soft-first-story .....239  
 soil embankment .....462  
 SPI .....12  
 steel construction.....182  
 stockpile.....329  
 strategic plan .....142  
 strength of crust .....282  
 strike-slip fault .....282  
 strong ground motion.....118  
 strong ground motion prediction  
 .....135  
 structural control .....253  
 structural health monitoring .....242  
 structural integration of buildings  
 .....208  
 structure model.....67  
 super high strength steel .....261  
 surge force.....410  
 surveillance strategies.....298  
 sustainability.....242  
 sustainable urban environment...192

**T**

the 1995 Kobe earthquake .....271  
 the 2006 Kuril Islands earthquake  
 .....489  
 the 2008 Off-Tokachi earthquake  
 .....489  
 time lagged occurrence .....142  
 time predictable.....111  
 Tone River Basin.....12  
 training jetty .....462  
 tsunami .....118, 410, 419, 435, 441, 489  
 tsunami-induced current.....462  
 tsunami damage.....127  
 tsunami damage estimation.....479  
 tsunami defense strategy .....382  
 tsunami force .....404, 427  
 tsunami forecasting .....267  
 tsunami hazard mitigation.....382  
 tsunami inundation .....382  
 tsunami overflow.....469  
 tsunami pressure.....427  
 tsunami risk reduction.....382  
 tsunamis.....391

Keyword Index of Vol.4

tunami .....337  
tunnel ..... 153  
turbulence .....391

**U**

uncertainty .....272  
unexpected disaster .....7  
urban area..... 135

**V**

vaccine.....322, 329  
vector .....322  
vibration control .....246  
viral hemorrhagic fevers....315, 352

**W**

wake.....391  
warning .....267  
water-related disasters .....3  
water resources..... 12  
wave.....419

wave forces.....382  
wave pressure .....404  
wave ray analysis .....41  
Wenchuan earthquake .....153  
working group .....151

**Z**

zoonosis.....309, 346