

Keyword Index of Journal of Disaster Research Volume 19, 2024

1855 Edo Earthquake.....	38
2021.....	726
2021 Tropical Storm Dianmu.....	645
2024 Noto Peninsula Earthquake	912
21st century skills	560

A

accuracy	551
ADDIE model	124
agent-based model	268
agent-based simulation.....	248
agreement.....	570
alternative transportation	359
ambient dose equivalent rate.....	429
anxiety.....	580
ARIMA-SVM.....	551
Aso volcano	50
awareness that disaster affects everyone (“wagakoto-ishiki”)...	124
awareness that disasters affect everyone.....	19

B

back analysis	465
behavior changes.....	386
BIG U/ESCR.....	956
blessings of nature.....	808
Bloom’s taxonomy	411
Bluetooth.....	347
BOSAI education.....	523
Bousaisi.....	1027
business continuity.....	622
business continuity management	622
business continuity plan.....	601
business continuity planning (BCP)	105, 613

C

cable car	849
camera	204
capital stock	192
centralized information portal site	912
children	678
choice experiment	359
citizen science	139
climate change	465, 991
climate change adaptation.....	750
climate zone	717
cloud-based support tool.....	56
cluster analysis	19
CNN	780
collaboration	570
collaborative planning.....	956
common operating picture	420
common operational picture	726
compliance behavior	293
comprehensive knowledge.....	921
congestion evaluation.....	336
congestion number.....	336
congestion reduction	316
consensus building.....	256
control information	293
control medium	293
Convergence Knowledge	943
coping behavior.....	370
COVID-19	386, 396, 420, 446, 501, 666
crisis management plan.....	601
crowd.....	325
crowd control	239, 325
crowd control planning	256
crowd flow prediction.....	248
crowd management	239, 248, 256, 303, 347
crowd sensing.....	239
crowd simulation.....	239, 256
crowd-control measures	293

crowding	370
cultural heritage	886
culture	396

D

damage assessment	836
damage detection	780
damage estimation	192
database of diverse fault ruptures	896
decision making	81, 489
deep learning.....	204
demand forecast	551
depression	580
digital elevation model (DEM) ...	865
digital model	489
direct damage.....	192
disaster(s)	173, 501, 570, 678
disaster culture	808
disaster education.....	560, 808, 935
disaster literacy	560
disaster management.....	601
disaster management behavior....	182
Disaster Management Education Challenge Plan	19
disaster narrative	935
disaster picture books.....	935
disaster prevention	72, 81, 613
disaster prevention education.....	94
disaster prevention literacy	50
disaster resilience	601, 631, 1016
disaster response	38, 631, 645
disaster response activity	726
disaster risk communication	154
disaster risk reduction ...	38, 512, 539
disaster risk reduction education program.....	793
disaster scenario	182
disaster storytelling.....	935
disaster tradition.....	808
disaster-related deaths	1027

disaster-related statistics 750
 discomfort 279
 diversity 943
 drone 124, 204
 dual residence 105

E

earthquake 81, 94, 173, 613
 earthquake disaster 182
 earthquake early warning 760
 earthquake engineering 1016
 Eco-DRR 523
 ecotourism 214
 education and dissemination 159
 elevated metro of station building
 981
 emergency communication 523
 emergency response efficiency ... 971
 environmental stimuli 325
 evacuation 379, 849
 evacuation agent simulation 489
 evacuation decision 94
 evacuation plan 56, 268
 evacuation simulation 981
 evaluation 622
 event 279
 exhibitions 370
 experience of victim 182
 extreme weather 666

F

faith-based organization 678
 firefighter 411
 flood 613
 flood countermeasures 691
 flood disaster risk 691
 flood disasters 836
 flood flow 836
 flood hazard 691
 flood risk 455
 food crisis 666
 forecasting 303, 733
 foreign technical intern trainees
 1006
 fragile and conflict-affected settings
 656
 Fukushima Daiichi Nuclear Power
 Station accident 429, 829

fundamental skills of disaster
 management 19

G

gaming teaching materials 124
 gamma-ray spectrometry 429
 geological classification 717
 geological disasters 971
 Germany 666
 GIS 72
 GNSS 72
 Great East Japan Earthquake
 30, 886, 935
 Great East Japan Earthquake and
 Tsunami 512

H

handy penetration test 717
 hazard map 182, 818
 heatmap 408
 heavy rainfall 991
 high-risk modest scale eruption .. 159
 historical material 38
 hotels 501
 human crowd 379
 human dignity 539
 Hurricane Sandy 956
 hydraulic model 455
 hydrograph estimation 455

I

ICT education 793
 image analysis 780
 improving volcanic disaster
 prevention literacy of climbers ... 50
 inclusion 539
 indirect death 173
 industry-academia collaboration
 523
 infiltration capacity 772
 information sharing 726
 information support 912
 Information Support Team (ISUT)
 726
 information technology 645
 information use 733
 innovation 534
 instructional design (ID) 124, 793

instrumental seismic intensity 192
 integrated rescue system 849
 intercomparison 429
 interdisciplinary 943
 Islam 1006

J

Japan Trench 760

L

land conflict in disaster 656
 land use 691
 landslide 411, 465, 489
 large ensemble simulation 991
 large-scale earthquake simulator
 1016
 large-scale shaking table 1016
 LiDAR 408
 life reconstruction 56
 literacy for disaster resilience
 56, 113
 local awareness activities 1027
 local government 631, 829
 longitudinal study 956

M

machine learning 780
 mapping technologies 429
 mask 551
 medical science 921
 mega-events 501
 minority 1006
 missing data 336
 Miyako City 30
 model 279
 monitoring 733
 mood 396
 mosques 1006
 Mt. Ontakesan 159
 multi-agent simulation 256
 multiple event study 446
 Muslim 1006

N

Nankai Trough Earthquake
 113, 192
 Nankai Trough Great Earthquake
 105

national DRR strategy 750
 new capital city 214
 news articles 214
 numerical SNOWPACK model
 741

O

observatory 154
 occupational mental health 580
 ocean-bottom seismograph 760
 old maps 30
 old pictures 30
 online survey 386
 open data 534
 open science 139, 154
 open-door 147

P

pandemic 921
 pandemic response 396
 pandemic risk management 420
 participation 512
 particle size distribution 772
 partnerships 539
 path analysis 570
 PBLC-STEM-D model 560
 peak ground acceleration 760
 peak ground velocity 760
 pedestrian 325, 347
 pedestrian behavior 379
 pedestrian congestion 336
 pedestrian density 336
 people density 347
 perceived crowding 370
 perception 396
 phreatic eruption 50
 planning in normal time 539
 policy making 534
 political issues 580
 post-traumatic stress disorder 580
 pre-registration 56
 precipitation 691
 preparedness for disasters at home
 818
 probability density function 717
 prospective science teachers 560
 psychological effects 386
 psychometric evaluation 886
 psychosocial support 886

psychosocial support program 678
 public health emergencies 551
 public opinion poll on disaster
 management 818
 public-private partnership 570

Q

qualitative studies 159
 quality assessment 865
 quasi-experimental design 886
 questionnaire 279
 questionnaire survey 147

R

radiation anxiety 829
 radiation disaster prevention 1027
 rainfall 465
 reconstruction of historical
 topography 30
 recovery and resilience planning
 956
 redundancy 971
 regional climate model 991
 regulated egress 279
 remote sensing 780
 rescue 849
 research evaluation 943
 resignation 829
 resilience 214, 622
 restoration process 38
 revenue management 303
 river flooding 489
 root causes 656
 route choice 325
 Russia-Ukraine war 666

S

Sakurajima 147, 154
 SARS-CoV-2 420
 SBM model 971
 school education 912
 science and technology 534
 science communication 147
 science literacy 139
 science museum 139
 scientific articles 214
 SDGs 750
 sediment erosion and deposition

..... 836
 sediment transportation 836
 seismology 139
 Sendai Framework 750
 Sendai Framework for Disaster Risk
 Reduction 2015–2030 512
 sensing crowd 347
 sequential Bayesian update 896
 Shizuoka MaaS 316
 shuttle bus 359
 simulation 268
 slope stability 465
 snow and ice disasters 733
 snow load alert 741
 snow removal 741
 snow weight distribution 741
 social group 379
 soil test 772
 soil thickness 717
 South Korea 386
 Spanish flu 921
 stakeholder's engagement 534
 stampede 239
 stopping 408
 supporting supporters 912
 sustainability 631
 sustainable recovery 656
 synthesizing tsunami scenarios ... 896

T

Taoyuan HSR Station 981
 temporary housing 105
 Thailand 645
 the heavy rain since July 1 726
 The Japan Medical World 921
 tilted floodplain 455
 Tohoku District 991
 tolerance levels 370
 tourism 501
 tourist attractions 303
 training course 411
 transmission of volcano information
 to climbers 50
 tsunami 81, 94, 268, 613
 tsunami evacuation drill 72

U

underground mall 268
 university lecture style 446
 unmanned aerial vehicle (UAV)
 865
 urban vulnerability 656

V

values 943
 variable pricing 303
 Vietnam 411
 virtual reality 293
 visitor attitude 359
 visitor flow 408
 visualization 72, 248
 volcanic disaster 204, 793
 volcanic disaster prevention literacy
 159
 volcanic ejecta 772
 volcanic eruption 772
 volcano 154
 volcano observatory 147
 volunteer 678
 vulnerability 113

W

wastewater monitoring 420
 well-being 523
 World BOSAI Forum 512
 World Natural Heritage 359

Y

YOU@RISK 793