

# Stephanie E Chang

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

6,113  
citations

394286

19  
h-index

395590

33  
g-index

33  
all docs

33  
docs citations

33  
times ranked

4252  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Framework to Quantitatively Assess and Enhance the Seismic Resilience of Communities. <i>Earthquake Spectra</i> , 2003, 19, 733-752.	1.6	3,303
2	Measuring Improvements in the Disaster Resilience of Communities. <i>Earthquake Spectra</i> , 2004, 20, 739-755.	1.6	513
3	Fostering resilience to extreme events within infrastructure systems: Characterizing decision contexts for mitigation and adaptation. <i>Global Environmental Change</i> , 2008, 18, 310-318.	3.6	356
4	Urban disaster recovery: a measurement framework and its application to the 1995 Kobe earthquake. <i>Disasters</i> , 2010, 34, 303-327.	1.1	274
5	Consequences of oil spills: a review and framework for informing planning. <i>Ecology and Society</i> , 2014, 19, .	1.0	205
6	Toward Disaster-Resilient Cities: Characterizing Resilience of Infrastructure Systems with Expert Judgments. <i>Risk Analysis</i> , 2014, 34, 416-434.	1.5	188
7	Measuring post-disaster transportation system performance: the 1995 Kobe earthquake in comparative perspective. <i>Transportation Research, Part A: Policy and Practice</i> , 2001, 35, 475-494.	2.0	175
8	Infrastructure failure interdependencies in extreme events: power outage consequences in the 1998 Ice Storm. <i>Natural Hazards</i> , 2007, 41, 337-358.	1.6	175
9	Disasters and transport systems: loss, recovery and competition at the Port of Kobe after the 1995 earthquake. <i>Journal of Transport Geography</i> , 2000, 8, 53-65.	2.3	157
10	Empirical Framework for Characterizing Infrastructure Failure Interdependencies. <i>Journal of Infrastructure Systems</i> , 2007, 13, 175-184.	1.0	146
11	System Risk Curves: Probabilistic Performance Scenarios for Highway Networks Subject to Earthquake Damage. <i>Journal of Infrastructure Systems</i> , 2007, 13, 43-54.	1.0	94
12	Evaluating Disaster Mitigations: Methodology for Urban Infrastructure Systems. <i>Natural Hazards Review</i> , 2003, 4, 186-196.	0.8	83
13	Disaster vulnerability of businesses in the 2001 Nisqually earthquake. <i>Environmental Hazards</i> , 2002, 4, 59-71.	0.3	68
14	Using vulnerability indicators to develop resilience networks: a similarity approach. <i>Natural Hazards</i> , 2015, 78, 1827-1841.	1.6	59
15	Disaster vulnerability of businesses in the 2001 Nisqually earthquake. <i>Environmental Hazards</i> , 2002, 4, 59-71.	1.4	45
16	Disasters as opportunity for change: Tsunami recovery and energy transition in Japan. <i>International Journal of Disaster Risk Reduction</i> , 2017, 21, 331-339.	1.8	42
17	Community vulnerability to coastal hazards: Developing a typology for disaster risk reduction. <i>Applied Geography</i> , 2018, 91, 81-88.	1.7	42
18	Towards disaster-resilient cities: an approach for setting priorities in infrastructure mitigation efforts. <i>Environment Systems and Decisions</i> , 2015, 35, 252-263.	1.9	33

#	ARTICLE	IF	CITATIONS
19	Effective and persistent changes in household energy-saving behaviors: Evidence from post-tsunami Japan. <i>Applied Energy</i> , 2016, 167, 93-106.	5.1	30
20	Adaptation to electricity crisis: Businesses in the 2011 Great East Japan triple disaster. <i>Energy Policy</i> , 2014, 68, 447-457.	4.2	20
21	Urban Growth and Long-Term Changes in Natural Hazard Risk. <i>Environment and Planning A</i> , 2012, 44, 989-1008.	2.1	17
22	Potential impacts of an impending oil spill. <i>Nature Sustainability</i> , 2021, 4, 1023-1024.	11.5	14
23	Developing indicators to identify coastal green infrastructure potential: The case of the Salish Sea region. <i>Ocean and Coastal Management</i> , 2019, 175, 53-69.	2.0	13
24	Effects of urban development on future multi-hazard risk: the case of Vancouver, Canada. <i>Natural Hazards</i> , 2019, 98, 251-265.	1.6	13
25	Contextualizing institutional factors in an indicator-based analysis of hazard vulnerability for coastal communities. <i>Journal of Environmental Planning and Management</i> , 2018, 61, 2491-2511.	2.4	12
26	Production of risk: multiple interacting exposures and unequal vulnerability in coastal communities. <i>Regional Environmental Change</i> , 2019, 19, 867-877.	1.4	10
27	Explaining communities' adaptation strategies for coastal flood risk: Vulnerability and institutional factors. <i>Journal of Flood Risk Management</i> , 2020, 13, e12646.	1.6	7
28	Predicting population displacements after earthquakes. <i>Sustainable and Resilient Infrastructure</i> , 2020, , 1-19.	1.7	6
29	Community-Scale Damage, Disruption, and Early Recovery in the 2010 Haiti Earthquake. <i>Earthquake Spectra</i> , 2011, 27, 431-446.	1.6	5
30	Transportation Disruptions and Regional Supply Chains: A Modeling Framework with Application to Coastal Shipping. <i>Advances in Spatial Science</i> , 2019, , 243-264.	0.3	3
31	Transportation geography: The influence of Walter Isard and regional science. <i>Journal of Geographical Systems</i> , 2004, 6, 55-69.	1.9	2
32	Utility Provider Liability for Electrical Failure: Implications for Interdependent Critical Infrastructure. <i>Electricity Journal</i> , 2006, 19, 69-81.	1.3	2
33	A Community Impact Scale for Regional Disaster Planning with Transportation Disruption. <i>Natural Hazards Review</i> , 2022, 23, .	0.8	1