Yoshio Kajitani

List of Publications by Year
in descending order

33 papers	857 citations	840119 11 h-index	580395 25 g-index
36 all docs	36 docs citations	36 times ranked	809 citing authors

#	Article	IF	Citations
1	The 2011 eastern Japan great earthquake disaster: Overview and comments. International Journal of Disaster Risk Science, 2011, 2, 34-42.	1.3	208
2	Estimation of Lifeline Resilience Factors Based on Surveys of Japanese Industries. Earthquake Spectra, 2009, 25, 755-776.	1.6	97
3	Road Network Robustness for Avoiding Functional Isolation in Disasters. Journal of Transportation Engineering, 2004, 130, 560-567.	0.9	85
4	ESTIMATION OF PRODUCTION CAPACITY LOSS RATE AFTER THE GREAT EAST JAPAN EARTHQUAKE AND TSUNAMI IN 2011. Economic Systems Research, 2014, 26, 13-38.	1.2	58
5	Forecasting nonlinear time series with feed-forward neural networks: a case study of Canadian lynx data. Journal of Forecasting, 2005, 24, 105-117.	1.6	57
6	Modeling the Regional Economic Loss of Natural Disasters: The Search for Economic Hotspots. Economic Systems Research, 2007, 19, 163-181.	1.2	46
7	Applicability of a spatial computable general equilibrium model to assess the short-term economic impact of natural disasters. Economic Systems Research, 2018, 30, 289-312.	1.2	43
8	A methodology for estimating business interruption loss caused by flood disasters: insights from business surveys after Tokai Heavy Rain in Japan. Natural Hazards, 2016, 84, 411-430.	1.6	30
9	Effective and persistent changes in household energy-saving behaviors: Evidence from post-tsunami Japan. Applied Energy, 2016, 167, 93-106.	5.1	30
10	Modelling the interdependencies of critical infrastructures during natural disasters: a case of supply, communication and transportation infrastructures. International Journal of Critical Infrastructures, 2009, 5, 38.	0.1	18
11	Collaborative modelling–based shelter planning analysis: a case study of the Nagata Elementary School Community in Kobe City, Japan. Disasters, 2014, 38, 125-147.	1.1	11
12	Measuring Quality of Human Community Life by Spatial-Temporal Age Group Distributions—Case Study of Recovery Process in a Disaster-Affected Region. Natural Hazards Review, 2005, 6, 41-47.	0.8	10
13	National vulnerability to extreme climatic events: the cases of electricity disruption in China and Japan. Natural Hazards, 2014, 71, 1937-1956.	1.6	9
14	Explaining the effective reproduction number of COVID-19 through mobility and enterprise statistics: Evidence from the first wave in Japan. PLoS ONE, 2021, 16, e0247186.	1.1	9
15	Simulation of operational reliability of thermal power plants during a power crisis: Are we underestimating power shortage risk?. Applied Energy, 2018, 231, 901-913.	5.1	8
16	Estimating lifeline resilience factors using post-disaster business recovery data. Earthquake Spectra, 2021, 37, 567-586.	1.6	8
17	Modelling post-disaster recovery process of industrial sectors: A case study of 2016 Kumamoto earthquakes. International Journal of Disaster Risk Reduction, 2021, 61, 102385.	1.8	7
18	Efficiency by sectors in areas considering CO2 emissions: The case of Japan. Economic Analysis and Policy, 2021, 70, 514-528.	3.2	6

#	Article	IF	Citations
19	Economic impacts caused by the failure of a maritime global critical infrastructure—a case study of chemical facility explosion in the Straits of Malacca and Singapore. Journal of Transportation Security, 2013, 6, 289-313.	0.9	4
20	Natech Disaster Risk Reduction: Can Integrated Risk Governance Help?. , 2015, , 441-462.		4
21	A Case Study on Estimation of Business Interruption Losses to Industrial Sectors Due to Flood Disasters. Journal of Disaster Research, 2015, 10, 981-990.	0.4	3
22	Effects of Dynamical Change in Water Level on Local Scouring around Bridge Piers Based on In-Situ Experiments. Water (Switzerland), 2021, 13, 3015.	1.2	3
23	Consistent measurement of economic losses of a natural disaster considering the effect of change in price. , 2011, , .		2
24	Advantages of the Regional and Sectoral Disaggregation of a Spatial Computable General Equilibrium Model for the Economic Impact Analysis of Natural Disasters. Advances in Spatial Science, 2019, , 327-358.	0.3	2
25	Business Resilience During Power Shortages: A Power Saving Rate Measured by Power Consumption Time Series in Industrial Sector Before and After the Great East Japan Earthquake in 2011. Fields Institute Communications, 2016, , 239-257.	0.6	1
26	ESTIMATING FRAGILITY CURVES FOR ASSET DAMAGE IN BUSINESS SECTOR CAUSED BY A FLOOD DISASTER: A CASE OF THE HEAVY RAIN EVENT OF JULY 2018. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2020, 76, 70-80.	0.0	1
27	REGRESSION OF IMBALANCED RIVER DISCHARGE DATA USING RESAMPLING TECHNIQUE. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2020, 76, I_133-I_138.	0.0	1
28	Topological analysis on vulnerable spots of a city. , 0, , .		0
29	Economic Impacts of Infrastructure Damages on Industrial Sector. Journal of Japan Association for Earthquake Engineering, 2010, 10, 57-72.	0.0	0
30	Risk Assessment of Landslide Disaster for Detecting Isolated Communities in Wakayama Prefecture After Nankai Trough Earthquake. Lecture Notes in Civil Engineering, 2021, , 705-716.	0.3	0
31	Economic Impacts of a Nankai Megathrust Earthquake Scenario. Integrated Disaster Risk Management, 2022, , 73-83.	0.5	0
32	Measures for Estimating Production Capacity Losses. Integrated Disaster Risk Management, 2022, , 27-49.	0.5	0
33	SCGE Models to Assess Higher-Order Impacts of Production Capacity Losses. Integrated Disaster Risk Management, 2022, , 51-71.	0.5	0