

Hirokazu Tatano

List of Publications by Year in descending order

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105
papers

1,347
citations

516561

16
h-index

377752

34
g-index

110
all docs

110
docs citations

110
times ranked

1218
citing authors

#	ARTICLE	IF	CITATIONS
1	The 2011 eastern Japan great earthquake disaster: Overview and comments. <i>International Journal of Disaster Risk Science</i> , 2011, 2, 34-42.	1.3	208
2	Residential carbon emission evolutions in urban"rural divided China: An end-use and behavior analysis. <i>Applied Energy</i> , 2013, 101, 323-332.	5.1	150
3	A framework for economic loss estimation due to seismic transportation network disruption: a spatial computable general equilibrium approach. <i>Natural Hazards</i> , 2008, 44, 253-265.	1.6	109
4	Economic Loss Assessment due to Railroad and Highway Disruptions. <i>Economic Systems Research</i> , 2007, 19, 147-162.	1.2	108
5	Estimation of Lifeline Resilience Factors Based on Surveys of Japanese Industries. <i>Earthquake Spectra</i> , 2009, 25, 755-776.	1.6	97
6	ESTIMATION OF PRODUCTION CAPACITY LOSS RATE AFTER THE GREAT EAST JAPAN EARTHQUAKE AND TSUNAMI IN 2011. <i>Economic Systems Research</i> , 2014, 26, 13-38.	1.2	58
7	Applicability of a spatial computable general equilibrium model to assess the short-term economic impact of natural disasters. <i>Economic Systems Research</i> , 2018, 30, 289-312.	1.2	43
8	Economics of climate change and risk of disasters in Asia"Pacific region. <i>Natural Hazards</i> , 2016, 84, 1-5.	1.6	38
9	Outcome-expectancy and self-efficacy: Reasons or results of flood preparedness intention?. <i>International Journal of Disaster Risk Reduction</i> , 2014, 8, 91-99.	1.8	37
10	Insights on social learning and collaborative action"plan development for disaster risk reduction: practicing Yonmenkaigi System Method (YSM) in flood-prone Mumbai. <i>Natural Hazards</i> , 2015, 75, 1531-1554.	1.6	32
11	A methodology for estimating business interruption loss caused by flood disasters: insights from business surveys after Tokai Heavy Rain in Japan. <i>Natural Hazards</i> , 2016, 84, 411-430.	1.6	30
12	What constitutes successful participatory disaster risk management? Insights from post-earthquake reconstruction work in rural Gujarat, India. <i>Natural Hazards</i> , 2017, 85, 111-138.	1.6	29
13	Recent nationwide climate change impact assessments of natural hazards in Japan and East Asia. <i>Weather and Climate Extremes</i> , 2021, 32, 100309.	1.6	27
14	E-Government Challenge in Disaster Evacuation Response: The Role of RFID Technology in Building Safe and Secure Local Communities. , 2010, , .		19
15	A survey of impact on industrial parks caused by the 2011 Great East Japan earthquake and tsunami. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 50, 317-324.	1.7	17
16	Understanding Community"s Evacuation Intention Development Process in a Flood Prone Micro-hotspot, Mumbai. <i>Journal of Integrated Disaster Risk Management</i> , 2012, 2, 89-107.	0.2	17
17	Flood risk awareness and preparedness: The role of trust in information sources. , 2012, , .		15
18	Promoting Seismic Retrofit Implementation Through "Nudge" Using Warranty as a Driver. <i>Risk Analysis</i> , 2013, 33, 1858-1883.	1.5	13

#	ARTICLE	IF	CITATIONS
19	Estimation of property loss and business interruption loss caused by storm surge inundation due to climate change: a case of Typhoon Vera revisit. <i>Natural Hazards</i> , 2016, 84, 35-49.	1.6	12
20	Damage Evaluation of Agro-meteorological Hazards in the Maize-Growing Region of Songliao Plain, China: Case Study of Lishu County of Jilin Province. <i>Natural Hazards</i> , 2004, 31, 209-232.	1.6	11
21	Measuring Quality of Human Community Life by Spatial-Temporal Age Group Distributions—Case Study of Recovery Process in a Disaster-Affected Region. <i>Natural Hazards Review</i> , 2005, 6, 41-47.	0.8	10
22	National vulnerability to extreme climatic events: the cases of electricity disruption in China and Japan. <i>Natural Hazards</i> , 2014, 71, 1937-1956.	1.6	9
23	Introduction to spatially distributed intelligent assistant agents for coordination of human-agent teams' actions. , 2011, , .		8
24	Estimation of indirect economic loss caused by house destruction in a natural disaster. <i>Natural Hazards</i> , 2012, 61, 1367-1388.	1.6	8
25	Simulation-Based Exceedance Probability Curves to Assess the Economic Impact of Storm Surge Inundations due to Climate Change: A Case Study in Ise Bay, Japan. <i>Sustainability</i> , 2019, 11, 1090.	1.6	8
26	Post-disaster recovery in industrial sectors: A Markov process analysis of multiple lifeline disruptions. <i>Reliability Engineering and System Safety</i> , 2021, 206, 107299.	5.1	8
27	Estimating lifeline resilience factors using post-disaster business recovery data. <i>Earthquake Spectra</i> , 2021, 37, 567-586.	1.6	8
28	Assessing Spatial Flood Risk from Multiple Flood Sources in a Small River Basin: A Method Based on Multivariate Design Rainfall. <i>Water (Switzerland)</i> , 2019, 11, 1031.	1.2	7
29	Modelling post-disaster recovery process of industrial sectors: A case study of 2016 Kumamoto earthquakes. <i>International Journal of Disaster Risk Reduction</i> , 2021, 61, 102385.	1.8	7
30	Vulnerability of infrastructure to natural hazards and climate change in China. <i>Natural Hazards</i> , 2015, 75, 107-110.	1.6	6
31	ECONOMIC EVALUATION OF DROUGHT RISK REDUCTION WITH ANTI DROUGHT MEASURES. <i>Doboku Gakkai Ronbunshu</i> , 1993, 1993, 73-82.	0.2	5
32	Estimation of the Economic Loss in Industrial Sectors Caused by the 2004 Mid-Niigata Earthquake. <i>Infrastructure Planning Review</i> , 2007, 24, 289-298.	0.1	5
33	Who are Pioneers of Disaster Preparedness? - Insights from Rainwater Harvesting Dissemination in Bangladesh. <i>Environmental Management</i> , 2018, 62, 474-488.	1.2	5
34	Risk Perception, Location Choice and Land-use Patterns under Disaster Risk: Long-term Consequences of Information Provision in a Spatial Economy. <i>Advances in Spatial Science</i> , 2004, , 163-177.	0.3	5
35	Damage Assessment in Tourism Caused by an Earthquake Disaster. <i>Journal of Integrated Disaster Risk Management</i> , 2013, 3, 56-74.	0.2	5
36	ä°é€Šæf...â±ã«ã,â,çµŒè-è°ã°Žã,ã,1ãf†ãfã®çµŒæ,ã¾4¿ç:Šè©•ã¾4jã«é-çã™ã,ç”ç©¶. <i>Doboku Gakkai Ronbunshu</i> , 1995, 1995, 77-82.		

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37	A RANDOM MATCHING MODEL FOR JOINT TRIPS PRODUCTION WITHIN HOUSEHOLDS. Doboku Gakkai Ronbunshu, 1996, 1996, 49-58.	0.2	4
38	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
39	Natech Disaster Risk Reduction: Can Integrated Risk Governance Help?. , 2015, , 441-462.		4
40	Development and Application of a Sensemaking Approach to Community-based Disaster Risk Governance. Journal of Asian Finance, Economics and Business (discontinued), 2019, 6, 289-301.	1.0	4
41	Multistate Models for the Recovery Process in the Covid-19 Context: An Empirical Study of Chinese Enterprises. International Journal of Disaster Risk Science, 0, , .	1.3	4
42	A Flood Risk Communication Support System to Promote Safe Autonomous Evacuation. Infrastructure Planning Review, 2006, 23, 309-318.	0.1	3
43	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
44	Diffusion of Disaster-Preparedness Information by Hearing from Early Adopters to Late Adopters in Coastal Bangladesh. Sustainability, 2022, 14, 3897.	1.6	3
45	How Participatory is Participatory Flood Risk Mapping? Voices from the Flood Prone Dharavi Slum in Mumbai. International Journal of Disaster Risk Science, 2022, 13, 230-248.	1.3	3
46	A TWO-STAGED DISCRETE CHOICE MODEL WITH RISK PREFERENCES. Infrastructure Planning Review, 1996, 13, 553-562.	0.1	2
47	VALUATION OF RECREATION BENEFITS BY TRAVEL COST METHODS WITH REFERENCE TO STAY LENGTH DISTRIBUTION. Doboku Gakkai Ronbunshu, 1999, 1999, 113-124.	0.2	2
48	Regional Spillover Effects of Disaster Mitigation Investment. Infrastructure Planning Review, 2001, 18, 287-296.	0.1	2
49	Modeling the Role of a Coordinator as a Medium of Communication in 2-Player Conflicts. Group Decision and Negotiation, 2002, 11, 311-327.	2.0	2
50	Measuring risk premium and disaster risk preference of households in use of CVM. Infrastructure Planning Review, 2005, 22, 325-334.	0.1	2
51	A Framework of Measuring Economic Losses from the Niigata-Chuetsu Earthquake. Infrastructure Planning Review, 2006, 23, 365-372.	0.1	2
52	Economic restoration process after natural disasters under mutual relationships between industrial sectors. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	2
53	Consistent measurement of economic losses of a natural disaster considering the effect of change in price. , 2011, , .		2
54	PUBLIC MANAGEMENT ON TRANSPORT INFRASTRUCTURE AGAINST EARTHQUAKE RISK—BY SCGE MODEL. Sociotechnica, 2004, 2, 228-237.	0.4	2

#	ARTICLE	IF	CITATIONS
55	Advantages of the Regional and Sectoral Disaggregation of a Spatial Computable General Equilibrium Model for the Economic Impact Analysis of Natural Disasters. <i>Advances in Spatial Science</i> , 2019, , 327-358.	0.3	2
56	Estimating the Economic Effects of the Early Covid-19 Emergency Response in Cities Using Intracity Travel Intensity Data. <i>International Journal of Disaster Risk Science</i> , 2022, 13, 125-138.	1.3	2
57	Drought Duration and Frequency Constrained Model for Reservoir Operation Optimization. <i>Infrastructure Planning Review</i> , 1992, 10, 191-198.	0.1	1
58	RISK ANALYSES APPLIED TO PLANNING AND MANAGEMENT OF INFRASTRUCTURE. <i>Doboku Gakkai Ronbunshu</i> , 1993, 1993, 33-42.	0.2	1
59	A Game Theoretic Approach to Cost Allocation Methods for the Development of a Basinwide Sewage System. <i>Infrastructure Planning Review</i> , 1998, 15, 283-294.	0.1	1
60	Analyzing Effect of Information Provision on Catastrophic Disaster Risk in a Monocentric City. <i>Infrastructure Planning Review</i> , 1999, 16, 333-340.	0.1	1
61	Information Provision and Risk Perception on Fatal Disaster Risk in a Monocentric City. <i>Infrastructure Planning Review</i> , 2000, 17, 327-336.	0.1	1
62	Model Analysis of Decision Making Process on House Renewal with Uncertainty. <i>Infrastructure Planning Review</i> , 2000, 17, 401-410.	0.1	1
63	Statistical Analysis of Post-Earthquake Disaster on the Activities of the Port Damaged by the Hyogo-ken Nanbu Earthquake. <i>Infrastructure Planning Review</i> , 2001, 18, 317-324.	0.1	1
64	Performance-based Contract for Aseismic Retrofit of Wooden Buildings. , 2006, , .		1
65	Post-inspection payment plan for building inspection. , 2007, , .		1
66	Survey of Economic Impacts on Residents Caused by Multiple Lifeline Disruptions during a Disaster. <i>Infrastructure Planning Review</i> , 2007, 24, 243-250.	0.1	1
67	A Methodology for Consistent Measurement of Economic Losses Caused by Natural Hazards Taking Account of Mutual Relations between Industries. <i>Infrastructure Planning Review</i> , 2008, 25, 255-266.	0.1	1
68	EVALUATION OF BENEFIT FLOW FROM EMERGENCY AND RECOVERY HOUSING POLICY. <i>Doboku Gakkai Ronbunshuu D</i> , 2009, 65, 399-412.	0.0	1
69	Scoping flood risk reduction issues with sharing concerns. , 2012, , .		1
70	Evaluation method of restoration process for road networks after volcanic eruption. , 2014, , .		1
71	Search algorithm for optimal execution of incident commander guidance in macro action planning. <i>International Journal of Intelligent Systems Technologies and Applications</i> , 2015, 14, 354.	0.2	1
72	Nagara River Estuary Barrage Conflict. <i>International Risk Governance Council Bookseries</i> , 2008, , 221-230.	1.0	1

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73	A Methodology for Spatial Flood Risk Assessment Taking Account of Spatial-Temporal Characteristics of Rainfall. Journal of Integrated Disaster Risk Management, 2013, , 74-90.	0.2	1
74	Traffic Network Equilibria with Rational Expectations.. Interdisciplinary Information Sciences, 1996, 2, 189-198.	0.2	1
75	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
76	Model Analysis on Planning Problem of River Disaster Prevention in Urbanized Area. Infrastructure Planning Review, 1985, 2, 189-196.	0.1	0
77	Reliability Evaluation Model of the Water Supply Reservoir System with Discharges from Residual Basins Incorporated. Infrastructure Planning Review, 1989, 7, 99-106.	0.1	0
78	Model for Designing the Optimal Reservoir Operation with Drought Duration Considered. Infrastructure Planning Review, 1991, 9, 173-180.	0.1	0
79	THE ROLES OF SOCIAL LEISURES FOR VITALIZING DEPOPULATED COMMUNITIES. Infrastructure Planning Review, 1993, 11, 303-310.	0.1	0
80	Project Evaluation under Uncertainty. Infrastructure Planning Review, 1998, 15, 19-30.	0.1	0
81	A Distributed Algorithm for Designing the Optimal Integrated Operation Rule of a Multi-Reservoir System. Infrastructure Planning Review, 1998, 15, 31-40.	0.1	0
82	Game Theoretic Analysis on Net Benefit Allocation Based on Self Revelation for Multi-Agent Infrastructure Project. Infrastructure Planning Review, 1999, 16, 101-111.	0.1	0
83	An Interval Estimation Method for Contingent Valuation Surveys with heterogeneous variances of WTP. Infrastructure Planning Review, 1999, 16, 319-326.	0.1	0
84	Interval Estimation Methods for Recreation Benefits Based on a Discrete Choice Model. Infrastructure Planning Review, 2000, 17, 431-438.	0.1	0
85	A performance evaluation method of monitoring systems for inner-basin drainage under imperfect observation. Hydrological Processes, 2000, 14, 621-638.	1.1	0
86	Risk Analysis of Project Adoption based on Cost-Benefit Criteria. Infrastructure Planning Review, 2001, 18, 223-230.	0.1	0
87	Risk Analysis for Kizu River Recreation Benefit Based on Individual Travel Cost Method. Infrastructure Planning Review, 2002, 19, 283-289.	0.1	0
88	Spatial Temporal Analysis of Human Activity Distributions in Disaster Recovery Processes. Infrastructure Planning Review, 2002, 19, 305-312.	0.1	0
89	Evaluation of Potential Loss Caused by a Large Scale Disaster Based on Spatial-Temporal Distribution of Human Activity. Infrastructure Planning Review, 2003, 20, 355-364.	0.1	0
90	Designing Natural Catastrophic Insurance Schemes under Constraints of Insurers' Sustainability. Infrastructure Planning Review, 2003, 20, 323-330.	0.1	0

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91	The role of performance-based contract against ex-post unobservability of housing quality. Infrastructure Planning Review, 2007, 24, 273-280.	0.1	0
92	Corporate mitigation strategy due to disaster risk disclosure. Infrastructure Planning Review, 2007, 24, 281-288.	0.1	0
93	Coalition-proof payment plan in delegation of design verification in public works. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	0
94	An application of SCGE model to assess the labour and capital related economic loss in Nankai earthquake. International Journal of Risk Assessment and Management, 2008, 8, 412.	0.2	0
95	Payment Plan for Delegation of Design Inspection in public works. Infrastructure Planning Review, 2008, 25, 285-291.	0.1	0
96	Economic impacts of disasters taking into account the costs of substitution of intermediate goods. , 2009, , .		0
97	Analysis on Evacuation Behavior by Case-Based Decision Model. Infrastructure Planning Review, 2009, 26, 203-208.	0.1	0
98	Perceived ambiguity about earthquake and house destruction risks. Natural Hazards, 2016, 80, 1243-1256.	1.6	0
99	Evaluating the Success of "Participatory Flood Risk Mapping" A Case Study from Dharavi, Mumbai. Disaster and Risk Research: GADRI Book Series, 2021, , 139-160.	0.1	0
100	Economic Impacts of a Nankai Megathrust Earthquake Scenario. Integrated Disaster Risk Management, 2022, , 73-83.	0.5	0
101	Measures for Estimating Production Capacity Losses. Integrated Disaster Risk Management, 2022, , 27-49.	0.5	0
102	SCGE Models to Assess Higher-Order Impacts of Production Capacity Losses. Integrated Disaster Risk Management, 2022, , 51-71.	0.5	0
103	Payment Plan for the Delegation of One or Two Inspection Agencies. Journal of Computers, 2009, 4, .	0.4	0
104	An Econometric Model Based on the Maxmin Expected Utility Model: An Application to Earthquake Insurance. Lecture Notes in Economics and Mathematical Systems, 2012, , 89-106.	0.3	0
105	Global Summit of Research Institutes for Disaster Risk Reduction and Global Alliance of Disaster Research Institutes (GADRI). Trends in the Sciences, 2016, 21, 3_90-3_93.	0.0	0