Akiyuki Kawasaki

List of Publications by Year
in descending order

68 papers	1,644 citations	304743 22 h-index	302126 39 g-index
70 all docs	70 docs citations	70 times ranked	1688 citing authors

#	Article	IF	Citations
1	Characteristics of the 2011 Chao Phraya River flood in Central Thailand. Hydrological Research Letters, 2012, 6, 41-46.	0.5	178
2	Socioeconomic Vulnerability to Disaster Risk: A Case Study of Flood and Drought Impact in a Rural Sri Lankan Community. Ecological Economics, 2018, 152, 131-140.	5.7	172
3	Reflections on a Science and Technology Agenda for 21st Century Disaster Risk Reduction. International Journal of Disaster Risk Science, 2016, 7, 1-29.	2.9	147
4	Landslide susceptibility mapping of the Sera River Basin using logistic regression model. Natural Hazards, 2017, 85, 1323-1346.	3.4	120
5	Evaluating the impacts of climate and land-use change on the hydrology and nutrient yield in a transboundary river basin: A case study in the 3S River Basin (Sekong, Sesan, and Srepok). Science of the Total Environment, 2017, 576, 586-598.	8.0	82
6	Community responses to flood early warning system: Case study in Kaijuri Union, Bangladesh. International Journal of Disaster Risk Reduction, 2015, 14, 323-331.	3.9	48
7	Climate Change Impact Assessment on Blue and Green Water by Coupling of Representative CMIP5 Climate Models with Physical Based Hydrological Model. Water Resources Management, 2019, 33, 141-158.	3.9	48
8	The growing role of webâ€based geospatial technology in disaster response and support. Disasters, 2013, 37, 201-221.	2.2	46
9	Establishment of flood damage function models: A case study in the Bago River Basin, Myanmar. International Journal of Disaster Risk Reduction, 2018, 28, 688-700.	3.9	46
10	Assessment of Climate Change Impact on Reservoir Inflows Using Multi Climate-Models under RCPsâ€"The Case of Mangla Dam in Pakistan. Water (Switzerland), 2016, 8, 389.	2.7	42
11	Integrating biophysical and socio-economic factors for land-use and land-cover change projection in agricultural economic regions. Ecological Modelling, 2017, 344, 29-37.	2.5	41
12	Quantitative assessment of flood risk with evaluation of the effectiveness of dam operation for flood control: A case of the Bago River Basin of Myanmar. International Journal of Disaster Risk Reduction, 2020, 50, 101707.	3.9	41
13	A local level relationship between floods and poverty: A case in Myanmar. International Journal of Disaster Risk Reduction, 2020, 42, 101348.	3.9	40
14	River flood inundation mapping in the Bago River Basin, Myanmar. Hydrological Research Letters, 2015, 9, 97-102.	0.5	33
15	Analysis of temperature projections in the Koshi River Basin, Nepal. International Journal of Climatology, 2016, 36, 266-279.	3.5	32
16	A systematic decision support tool for robust hydropower site selection in poorly gauged basins. Applied Energy, 2018, 224, 309-321.	10.1	32
17	Consideration of the rainfall-runoff-inundation (RRI) model for flood mapping in a deltaic area of Myanmar. Hydrological Research Letters, 2017, 11, 155-160.	0.5	31
18	Media Preference, Information Needs, and the Language Proficiency of Foreigners in Japan after the 2011 Great East Japan Earthquake. International Journal of Disaster Risk Science, 2018, 9, 1-15.	2.9	28

#	Article	IF	Citations
19	Disaster response and river infrastructure management during the 2015 Myanmar floods: A case in the Bago River Basin. International Journal of Disaster Risk Reduction, 2017, 24, 151-159.	3.9	26
20	Data Integration and Analysis System (DIAS) Contributing to Climate Change Analysis and Disaster Risk Reduction. Data Science Journal, 2017, 16, .	1.3	26
21	A Review of Methodological Integration in Land-Use Change Models. International Journal of Agricultural and Environmental Information Systems, 2016, 7, 1-25.	2.0	24
22	A local-scale analysis to understand differences in socioeconomic factors affecting economic loss due to floods among different communities. International Journal of Disaster Risk Reduction, 2020, 47, 101526.	3.9	24
23	Large-Scale Channel Migration in the Sittang River Estuary. Scientific Reports, 2019, 9, 9862.	3.3	23
24	Development of a land-use forecast tool for future water resources assessment: case study for the Mekong River 3S Sub-basins. Sustainability Science, 2014, 9, 157-172.	4.9	22
25	Flood Hazard Assessment of Bago River Basin, Myanmar. Journal of Disaster Research, 2018, 13, 14-21.	0.7	21
26	The impact of income disparity on vulnerability and information collection: an analysis of the 2011 Thai Flood. Journal of Flood Risk Management, 2017, 10, 339-348.	3.3	18
27	Integrated approach to simulate hydrological responses to land use dynamics and climate change scenarios employing scoring method in upper Narmada basin, India. Journal of Hydrology, 2021, 598, 126429.	5.4	17
28	A Cooperative Game Analysis of Transboundary Hydropower Development in the Lower Mekong: Case of the 3S Sub-basins. Water Resources Management, 2014, 28, 3417-3437.	3.9	15
29	Development of flood damage assessment method for residential areas considering various house types for Bago Region of Myanmar. International Journal of Disaster Risk Reduction, 2021, 66, 102602.	3.9	15
30	Developing Flood Inundation Map Using RRI and SOBEK Models: A Case Study of the Bago River Basin, Myanmar. Journal of Disaster Research, 2020, 15, 277-287.	0.7	14
31	The influence of topography on the stream N concentration in the Tanzawa Mountains, Southern Kanto District, Japan. Journal of Forest Research, 2008, 13, 380-385.	1.4	13
32	The Impact of the Thai Flood of 2011 on the Rural Poor Population Living on the Flood Plain. Journal of Disaster Research, 2017, 12, 147-157.	0.7	13
33	Investing in Disaster Risk Reduction for Resilience: Roles of Science, Technology, and Education. Journal of Disaster Research, 2018, 13, 1181-1186.	0.7	13
34	Multivariate Flood Loss Estimation of the 2018 Bago Flood in Myanmar. Journal of Disaster Research, 2020, 15, 300-311.	0.7	12
35	Assessing the vulnerability of infrastructure to climate change on the Islands of Samoa. Natural Hazards and Earth System Sciences, 2015, 15, 1343-1356.	3.6	11
36	Assessment of potential impacts of climate and land use changes on stream flow: a case study of the Nam Xong watershed in Lao PDR. Journal of Water and Climate Change, 2016, 7, 184-197.	2.9	11

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37	Development of flood damage functions for agricultural crops and their applicability in regions of Asia. Journal of Hydrology: Regional Studies, 2021, 36, 100872.	2.4	10
38	Estimation of Run-of-River Hydropower Potential in the Myitnge River Basin. Journal of Disaster Research, 2020, 15, 267-276.	0.7	8
39	Utilization of a GIS-Based Water Infrastructure Inventory for Water Resources Assessment at Local Level: A Case Study in Mountainous Area of Vietnam. Hydrological Research Letters, 2009, 3, 27-31.	0.5	8
40	Assessment of physical vulnerability of buildings and socio-economic vulnerability of residents to rainfall induced cut slope failures: A case study in central highlands, Sri Lanka. International Journal of Disaster Risk Reduction, 2021, 65, 102550.	3.9	7
41	Development of a Hydrological Telemetry System in Bago River. Journal of Disaster Research, 2018, 13, 116-124.	0.7	7
42	A cooperative framework for optimizing transboundary hydropower development. Water International, 2017, 42, 945-966.	1.0	6
43	Assessment of the tidal effect on flood inundation in a lowâ€lying river basin under composite future scenarios. Journal of Flood Risk Management, 2020, 13, e312606.	3.3	5
44	Data Integration and Analysis System (DIAS) as a Platform for Data and Model Integration: Cases in the Field of Water Resources Management and Disaster Risk Reduction. Data Science Journal, 2018, 17, .	1.3	5
45	Modeling the association between socioeconomic features and risk of flood damage: A localâ€scale case study in Sri Lanka. Risk Analysis, 2022, 42, 2735-2747.	2.7	5
46	Preliminary Assessment of GPM Satellite Rainfall over Myanmar. Journal of Disaster Research, 2018, 13, 22-30.	0.7	4
47	Role Played by Science and Technology in Disaster Risk Reduction: From Framework Planning to Implementation. Journal of Disaster Research, 2018, 13, 1222-1232.	0.7	4
48	Development of Flood Damage Estimation Model for Agriculture â€“ Case Study in the Bago Floodplain, Myanmar. Journal of Disaster Research, 2020, 15, 242-255.	0.7	4
49	Improving River Bathymetry and Topography Representation of a Low-Lying Flat River Basin by Integrating Multiple Sourced Datasets. Journal of Disaster Research, 2020, 15, 335-343.	0.7	4
50	Community-level Flood Response and Relief in Thailand and Myanmar Flood Plains. Suimon Mizu Shigen Gakkaishi, 2017, 30, 18-31.	0.1	3
51	Characteristics of the 2018 Bago River Flood of Myanmar. Journal of Disaster Research, 2020, 15, 256-266.	0.7	3
52	Landslide Susceptibility Analysis Using GIS and Logistic Regression Model A Case Study In Malang, Indonesia. Asian Journal of Environment and Disaster Management (AJEDM) â€“ Focusing on Pro-active Risk Reduction in Asia, 2014, 06, 117-129.	0.1	3
53	Data Communication for Efficient Water Resource Management Among Multiple Stakeholders â€“ A Case Study in the Bago River Basin, Myanmar â€“. Journal of Disaster Research, 2018, 13, 70-79.	0.7	3
54	The Utilization of GIS for the Measure against Slope Failure Disaster. Theory and Applications of GIS, 2001, 9, 25-32.	0.1	2

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55	Quantitative Evaluation of Flood Control Measures and Educational Support to Reduce Disaster Vulnerability of the Poor Based on Household-level Savings Estimates. Economics of Disasters and Climate Change, 2022, 6, 355-371.	2.2	2
56	Impact of Future Land Use Change on Flood Inundation Area: Case study in the Bago River basin, Myanmar. Theory and Applications of GIS, 2017, 25, 23-32.	0.1	1
57	Using GIS for assessing stream water chemistry in a forested watershed. Theory and Applications of GIS, 2009, 17, 53-62.	0.1	1
58	Design and Implementation of a Training Course on Big Data Use in Water Management. Data Science Journal, 2017, 16, .	1.3	1
59	Flood-prone Area Development for Poor Communities:. Suimon Mizu Shigen Gakkaishi, 2018, 31, 83-93.	0.1	1
60	User Stories-Based Requirement Elicitation for Data Visualization to Support Decision Making in Water Resource Management at Bago River Basin. Journal of Disaster Research, 2020, 15, 312-323.	0.7	1
61	Impact of Bias-Correction Methods in Assessing the Potential Flood Frequency Change in the Bago River. Journal of Disaster Research, 2020, 15, 288-299.	0.7	1
62	Assessment of Future Rainfall Change and Its Impact on Water Resources in the Mekong River 3S Sub-Basins. , 2017, , .		0
63	A Decision Support Tool for Cooperative Transboundary River Development considering Uncertainty:. Suimon Mizu Shigen Gakkaishi, 2017, 30, 149-160.	0.1	0
64	Issue Changes in Movement Against Dam Construction and its Relationship with Social Situation. Suimon Mizu Shigen Gakkaishi, 2018, 31, 350-363.	0.1	0
65	An Empirical Study on Visualization of Efficiency of Disaster Warnings to Citizens. Theory and Applications of GIS, 2016, 24, 125-135.	0.1	0
66	A Review of Methodological Integration in Land-Use Change Models. , 2019, , 1779-1807.		0
67	Flood Disaster Risk Reduction for Urban Collective Housing in Thailand. Journal of Disaster Research, 2020, 15, 609-620.	0.7	0
68	Estimation of Income Level in Individual Buildings Using Satellite Images and Household Survey Data. Theory and Applications of GIS, 2019, 27, 75-84.	0.1	0