Akira Kawamura

List of Publications by Year
in descending order

62	824	430874	526287
papers	citations	18	27
		h-index	g-index

63	63	63	820
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Clustering spatio–seasonal hydrogeochemical data using self-organizing maps for groundwater quality assessment in the Red River Delta, Vietnam. Journal of Hydrology, 2015, 522, 661-673.	5.4	119
2	Evaluation of sedimentation vulnerability at small hillside reservoirs in the semi-arid region of Tunisia using the Self-Organizing Map. Geomorphology, 2010, 122, 56-64.	2.6	49
3	Spatio-temporal analysis of recent groundwater-level trends in the Red River Delta, Vietnam. Hydrogeology Journal, 2012, 20, 1635-1650.	2.1	49
4	Proposal of an indicator-based sustainability assessment framework for the mining sector of APEC economies. Resources Policy, 2017, 52, 405-417.	9.6	41
5	Chaotic characteristics of the Southern Oscillation Index time series. Journal of Hydrology, 1998, 204, 168-181.	5.4	40
6	Groundwater sustainability assessment framework: A demonstration of environmental sustainability index for Hanoi, Vietnam. Journal of Environmental Management, 2019, 241, 479-487.	7.8	35
7	Impact of RCM Spatial Resolution on the Reproduction of Local, Subdaily Precipitation. Journal of Hydrometeorology, 2015, 16, 534-547.	1.9	31
8	Social sustainability assessment of groundwater resources: A case study of Hanoi, Vietnam. Ecological Indicators, 2018, 93, 1034-1042.	6.3	30
9	Prediction of unspots using reconstructed chaotic system equations. Journal of Geophysical Research, 1995, 100, 14773.	3.3	29
10	Downscaling extreme short-term regional climate model precipitation for urban hydrological applications. Hydrology Research, 2012, 43, 341-351.	2.7	28
11	Identification of spatio-seasonal hydrogeochemical characteristics of the unconfined groundwater in the Red River Delta, Vietnam. Applied Geochemistry, 2015, 63, 10-21.	3.0	27
12	Aquifer system for potential groundwater resources in Hanoi, Vietnam. Hydrological Processes, 2012, 26, 932-946.	2.6	26
13	Hydrogeochemical characteristics of groundwater from the two main aquifers in the Red River Delta, Vietnam. Journal of Asian Earth Sciences, 2014, 93, 180-192.	2.3	25
14	Classification of groundwater chemistry in Shimabara, using self-organizing maps. Hydrology Research, 2017, 48, 840-850.	2.7	25
15	Adaptation to climate change impacts on urban storm water: a case study in Arvika, Sweden. Climatic Change, 2013, 116, 231-247.	3.6	24
16	Real-time rainfall prediction at small space-time scales using a two-dimensional stochastic advection-diffusion model. Water Resources Research, 1993, 29, 1489-1504.	4.2	23
17	Identification of aquifer system in the whole Red River Delta, Vietnam. Geosciences Journal, 2011, 15, 323-338.	1.2	23
18	Interrelationships of the barriers to integrated flood risk management adaptation in Metro Manila, Philippines. International Journal of Disaster Risk Reduction, 2020, 49, 101683.	3.9	19

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19	An effective storage function model for an urban watershed in terms of hydrograph reproducibility and Akaike information criterion. Journal of Hydrology, 2018, 563, 657-668.	5.4	18
20	Assessing impervious area ratios of grid-based land-use classifications on the example of an urban watershed. Hydrological Sciences Journal, 2016, 61, 1728-1739.	2.6	15
21	Some Eulerian and Lagrangian statistical properties of rainfall at small space-time scales. Journal of Hydrology, 1994, 153, 339-355.	5.4	12
22	Real-time tracking of convective rainfall properties using a two-dimensional advection-diffusion model. Journal of Hydrology, 1997, 203, 109-118.	5.4	12
23	A bootstrap approach for the parameter uncertainty of an urban-specific rainfall-runoff model. Journal of Hydrology, 2019, 579, 124195.	5.4	11
24	Hydrogeochemical assessment of groundwater quality during dry and rainy seasons for the two main aquifers in Hanoi, Vietnam. Environmental Earth Sciences, 2015, 73, 4287-4303.	2.7	10
25	Parameterization of rain cell properties using an advection-diffusion model and rain gage data. Atmospheric Research, 1996, 42, 67-73.	4.1	9
26	NEW STORAGE FUNCTION MODEL CONSIDERING URBAN RUNOFF PROCESS. Doboku Gakkai Ronbunshuu B, 2009, 65, 217-230.	0.1	8
27	Improving Urban Runoff in Multi-Basin Hydrological Simulation by the HYPE Model Using EEA Urban Atlas: A Case Study in the Sege River Basin, Sweden. Hydrology, 2019, 6, 28.	3.0	8
28	Performance Evaluation of Urban Storage Function (USF) Model Compared with Various Conventional Storage Function Models for an Urban Watershed. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2018, 74, I_973-I_978.	0.1	7
29	STATISTICAL CHARACTERISTICS OF SOUTHERN OSCILLATION INDEX AND ITS BAROMETRIC PRESSURE DATA. Proceedings of Hydraulic Engineering, 2001, 45, 169-174.	0.0	6
30	Fuzzyâ€based gaps assessment of flood disaster risk reduction management systems in Metro Manila, Philippines. Water and Environment Journal, 2019, 33, 443-458.	2.2	6
31	Influence of water-related appliances on projected domestic water use in Tokyo. Hydrological Research Letters, 2009, 3, 22-26.	0.5	5
32	MULTI-CRITERIA GAP ANALYSIS OF FLOOD DISASTER RISK REDUCTION MANAGEMENT IN METRO MANILA, PHILIPPINES. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2012, 68, I_109-I_114.	0.1	5
33	ENVIRONMENTAL SUSTAINABILITY ASSESSMENT OF GROUNDWATER RESOURCES IN HANOI, VIETNAM BY A SIMPLE AHP APPROACH. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2016, 72, I_137-I_146.	0.1	5
34	Status Quo and Perspectives of Flood Runoff Analysis for Urban Watersheds. Suimon Mizu Shigen Gakkaishi, 2018, 31, 451-466.	0.1	5
35	A Generalized Storage Function Model for the Water Level Estimation Using Rating Curve Relationship. Water Resources Management, 2020, 34, 2603-2619.	3.9	4
36	Fuzzy based multi-criteria M&E of the integrated flood risk management performance using priority ranking methodology: A case study in Metro Manila, Philippines. International Journal of Disaster Risk Reduction, 2021, 64, 102498.	3.9	4

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37	A NEW GRAPHICAL METHOD OF TESTING THE GOODNESS OF FIT OF DATA TO PROBABILITY DISTRIBUTIONS. Doboku Gakkai Ronbunshu, 1985, 1985, 243-246.	0.2	3
38	Application of the Extended Kalman Filter for Reconstructing Systems from Chaotic Numerical Time Series. Proceedings of Hydraulic Engineering, 1993, 37, 853-856.	0.0	3
39	CLASSIFICATION CHARACTERISTICS OF MULTIVARIATE ANALYSES FOR GROUNDWATER CHEMISTRY —CASE STUDY ON SHIMABARA CITY—. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2016, 72, I_127-I_135.	0.1	3
40	On the Temporal and Spatial Characteristics of Short-Term Urban-Scale Rainfall and Its Real-Time Prediction.. Proceedings of Hydraulic Engineering, 1991, 35, 63-68.	0.0	2
41	CORRELATION BETWEEN SOUTHERN OSCILLATION AND MONTHLY PRECIPITATION IN FUKUOKA. Doboku Gakkai Ronbunshu, 2001, 2001, 153-158.	0.2	2
42	LONG-TERM FLUCTUATION CHARACTERISTICS OF SOUTHERN OSCILLATION. Proceedings of Hydraulic Engineering, 2002, 46, 103-108.	0.0	2
43	DEVELOPMENT OF AN AUTOMATED CONSTRUCTION ALGORITHM OF ADVANCED DELINEATION GIS DATA USING 1:2500 TOPOLOGICAL MAP. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic) Tj ETQq1 1 0.784314 rgBT /Overlock		
44	Spatial classification of groundwater chemistry monitoring data in the Red River Delta, Vietnam using self-organizing maps. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2014, 70, I_241-I_246.	0.1	2
45	Study on an Automated Construction Method of Minute Road Segments aiming at Urban Storm Runoff Analysis. Theory and Applications of GIS, 2014, 22, 93-102.	0.1	2
46	EMULATION PERFORMANCE EVALUATION OF URBAN RUNOFF MODEL BY NEURAL NETWORK AND DEEP LEARNING. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2019, 75, I_229-I_234.	0.1	2
47	A Simulation Study on the Optimal Control of Lock and Dam Gate Openings by the Self-Tuning Controller. Proceedings of the Japanese Conference on Hydraulics, 1987, 31, 299-304.	0.0	1
48	STUDY ON ON-LINE PREDICTION OF NODE WATER DEMANDS IN WATER SUPPLY NETWORK. Doboku Gakkai Ronbunshu, 1989, 1989, 245-254.	0.2	1
49	REAL-TIME ORTIMAL CONTROL OF AN ESTUARY BARRAGE GATE BY USE OF THE SELF-TUNING CONTROL THEORY. Doboku Gakkai Ronbunshu, 1993, 1993, 11-20.	0.2	1
50	PROPOSAL OF ASCENDING AND DESCENDING ORDER LOGARITHMIC FLOW-DURATION CURVE. Doboku Gakkai Ronbunshu, 2004, 2004, 91-94.	0.2	1
51	EVALUATION OF CHARACTERISTICS OF GROUNDWATER LEVEL FLUCTUATION IN TOKYO BY THE 2011 OFF THE PACIFIC COAST OF TOHOKU EARTHQUAKE USING SELF-ORGANIZING MAPS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2013, 69, I_541-I_546.	0.1	1
52	Baseflow Estimation for Tropical Wet and Dry Climate Region Using Recursive Digital Filters. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2017, 73, I_9-I_16.	0.1	1
53	Social Sustainability Assessment of Groundwater Resources in Hanoi, Vietnam by a Simple AHP Approach. Sustainable Civil Infrastructures, 2018, , 79-97.	0.2	1
54	STUDY ON CHARACTERISTICS OF RADAR PARAMETERS AND REAL-TIME PREDICTION OF GROUND RAINFALL. Doboku Gakkai Ronbunshu, 1997, 1997, 31-43.	0.2	0

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55	Japanese Special Issue Volume 6. From the 4th World Water Forum in Mexico—a strategy for the prevention of hydro-meteorological disaster through establishment of the UNESCO–PWRI Centre. Hydrological Processes, 2006, 20, 1249-1250.	2.6	0
56	Japanese Cooperation in Establishment of a Global Network for Water Quality via the UNEP GEMS/Water Programme. Hydrological Processes, 2007, 21, 1131-1131.	2.6	0
57	Interactions between the Surface Water and Groundwater of the Red River in Hanoi, Vietnam. , 2012, , .		0
58	ANALYSIS OF 10 YEARS OF GROUNDWATER PUMPED FLUCTUATION PATTERNS IN TAMA REGION OF TOKYO USING SELF-ORGANIZING MAPS. Journal of Japan Society of Civil Engineers Ser G (Environmental) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		
59	EMULATION OF URBAN RUNOFF MODEL BY DEEP LEARNING FOR BENCHMARK VIRTUAL HYETO AND HYDROGRAPH. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2019, 75, I_289-I_296.	0.1	0
60	Multi-Criteria Monitoring & Evaluation Analysis of Integrated Flood Risk Management in Metro Manila. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2020, 76, I_269-I_276.	0.1	0
61	EMULATION EVALUATION OF URBAN RUNOFF MODEL BY DEEP LEARNING FOR THE VIRTUAL HYDROGRAPH WITH OBSERVATION NOISE. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2020, 76, I_383-I_391.	0.1	0
62	FUZZY-BASED M&E OF THE IFRM PERFORMANCE IN METRO MANILA. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2020, 76, I_685-I_690.	0.1	0