# Akira Kawamura

List of Publications by Year
in descending order

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|---|---|---|---|
| 62 papers | 824 citations | 430874 18 h-index | 526287 27 g-index |
| 63 all docs | 63 docs citations | 63 times ranked | 820 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Fuzzy based multi-criteria M&amp;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 |
| 2 | 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 |
| 3 | A Generalized Storage Function Model for the Water Level Estimation Using Rating Curve Relationship. Water Resources Management, 2020, 34, 2603-2619. | 3.9 | 4 |
| 4 | 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 |
| 5 | 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 |
| 6 | FUZZY-BASED M&amp;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 |
| 7 | A bootstrap approach for the parameter uncertainty of an urban-specific rainfall-runoff model. Journal of Hydrology, 2019, 579, 124195. | 5.4 | 11 |
| 8 | 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 |
| 9 | Groundwater sustainability assessment framework: A demonstration of environmental sustainability index for Hanoi, Vietnam. Journal of Environmental Management, 2019, 241, 479-487. | 7.8 | 35 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Social sustainability assessment of groundwater resources: A case study of Hanoi, Vietnam. Ecological Indicators, 2018, 93, 1034-1042. | 6.3 | 30 |
| 15 | Social Sustainability Assessment of Groundwater Resources in Hanoi, Vietnam by a Simple AHP Approach. Sustainable Civil Infrastructures, 2018, , 79-97. | 0.2 | 1 |
| 16 | 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 |
| 17 | Status Quo and Perspectives of Flood Runoff Analysis for Urban Watersheds. Suimon Mizu Shigen Gakkaishi, 2018, 31, 451-466. | 0.1 | 5 |
| 18 | Proposal of an indicator-based sustainability assessment framework for the mining sector of APEC economies. Resources Policy, 2017, 52, 405-417. | 9.6 | 41 |

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|---|---------|-----|-----------|
| 19 | Classification of groundwater chemistry in Shimabara, using self-organizing maps. Hydrology Research, 2017, 48, 840-850. | 2.7 | 25 |
| 20 | 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 |
| 21 | 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) | 0.1 | 1 |
| 22 | 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 |
| 23 | CLASSIFICATION CHARACTERISTICS OF MULTIVARIATE ANALYSES FOR GROUNDWATER CHEMISTRY &mdash;CASE STUDY ON SHIMABARA CITY&mdash;. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2016, 72, I_127-I_135. | 0.1 | 3 |
| 24 | 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 |
| 25 | 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 |
| 26 | Impact of RCM Spatial Resolution on the Reproduction of Local, Subdaily Precipitation. Journal of Hydrometeorology, 2015, 16, 534-547. | 1.9 | 31 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | Adaptation to climate change impacts on urban storm water: a case study in Arvika, Sweden. Climatic Change, 2013, 116, 231-247. | 3.6 | 24 |
| 33 | 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 |
| 34 | 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) | 0.1 | 1 |
| 35 | Interactions between the Surface Water and Groundwater of the Red River in Hanoi, Vietnam. , 2012, , . | | 0 |
| 36 | Downscaling extreme short-term regional climate model precipitation for urban hydrological applications. Hydrology Research, 2012, 43, 341-351. | 2.7 | 28 |

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|---|---------|-----|-----------|
| 37 | 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 |
| 38 | Spatio-temporal analysis of recent groundwater-level trends in the Red River Delta, Vietnam. Hydrogeology Journal, 2012, 20, 1635-1650. | 2.1 | 49 |
| 39 | Aquifer system for potential groundwater resources in Hanoi, Vietnam. Hydrological Processes, 2012, 26, 932-946. | 2.6 | 26 |
| 40 | Identification of aquifer system in the whole Red River Delta, Vietnam. Geosciences Journal, 2011, 15, 323-338. | 1.2 | 23 |
| 41 | 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 |
| 42 | NEW STORAGE FUNCTION MODEL CONSIDERING URBAN RUNOFF PROCESS. Doboku Gakkai Ronbunshuu B, 2009, 65, 217-230. | 0.1 | 8 |
| 43 | Influence of water-related appliances on projected domestic water use in Tokyo. Hydrological Research Letters, 2009, 3, 22-26. | 0.5 | 5 |
| 44 | 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 |
| 45 | 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 |
| 46 | PROPOSAL OF ASCENDING AND DESCENDING ORDER LOGARITHMIC FLOW-DURATION CURVE. Doboku Gakkai Ronbunshu, 2004, 2004, 91-94. | 0.2 | 1 |
| 47 | LONG-TERM FLUCTUATION CHARACTERISTICS OF SOUTHERN OSCILLATION. Proceedings of Hydraulic Engineering, 2002, 46, 103-108. | 0.0 | 2 |
| 48 | STATISTICAL CHARACTERISTICS OF SOUTHERN OSCILLATION INDEX AND ITS BAROMETRIC PRESSURE DATA. Proceedings of Hydraulic Engineering, 2001, 45, 169-174. | 0.0 | 6 |
| 49 | CORRELATION BETWEEN SOUTHERN OSCILLATION AND MONTHLY PRECIPITATION IN FUKUOKA. Doboku Gakkai Ronbunshu, 2001, 2001, 153-158. | 0.2 | 2 |
| 50 | Chaotic characteristics of the Southern Oscillation Index time series. Journal of Hydrology, 1998, 204, 168-181. | 5.4 | 40 |
| 51 | STUDY ON CHARACTERISTICS OF RADAR PARAMETERS AND REAL-TIME PREDICTION OF GROUND RAINFALL. Doboku Gakkai Ronbunshu, 1997, 1997, 31-43. | 0.2 | 0 |
| 52 | Real-time tracking of convective rainfall properties using a two-dimensional advection-diffusion model. Journal of Hydrology, 1997, 203, 109-118. | 5.4 | 12 |
| 53 | Parameterization of rain cell properties using an advection-diffusion model and rain gage data. Atmospheric Research, 1996, 42, 67-73. | 4.1 | 9 |
| 54 | Prediction of unspots using reconstructed chaotic system equations. Journal of Geophysical Research, 1995, 100, 14773. | 3.3 | 29 |

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|---|---------|----|-----------|
| 55 | Some Eulerian and Lagrangian statistical properties of rainfall at small space-time scales. Journal of Hydrology, 1994, 153, 339-355. | 5.4 | 12 |
| 56 | 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 |
| 57 | 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 |
| 58 | 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 |
| 59 | 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 |
| 60 | STUDY ON ON-LINE PREDICTION OF NODE WATER DEMANDS IN WATER SUPPLY NETWORK. Doboku Gakkai Ronbunshu, 1989, 1989, 245-254. | 0.2 | 1 |
| 61 | 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 |
| 62 | 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 |