

Dawei Han

List of Publications by Year in descending order

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172
papers

6,239
citations

70961

41
h-index

85405

71
g-index

180
all docs

180
docs citations

180
times ranked

6268
citing authors

#	ARTICLE	IF	CITATIONS
1	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. Hydrological Sciences Journal, 2019, 64, 1141-1158.	1.2	474
2	Assessment of input variables determination on the SVM model performance using PCA, Gamma test, and forward selection techniques for monthly stream flow prediction. Journal of Hydrology, 2011, 401, 177-189.	2.3	306
3	Selection of classification techniques for land use/land cover change investigation. Advances in Space Research, 2012, 50, 1250-1265.	1.2	279
4	Machine Learning Techniques for Downscaling SMOS Satellite Soil Moisture Using MODIS Land Surface Temperature for Hydrological Application. Water Resources Management, 2013, 27, 3127-3144.	1.9	237
5	Evaporation estimation using artificial neural networks and adaptive neuro-fuzzy inference system techniques. Advances in Water Resources, 2009, 32, 88-97.	1.7	228
6	Identification of support vector machines for runoff modelling. Journal of Hydroinformatics, 2004, 6, 265-280.	1.1	188
7	Flood forecasting using support vector machines. Journal of Hydroinformatics, 2007, 9, 267-276.	1.1	163
8	Assessment of flood inundation mapping of Surat city by coupled 1D/2D hydrodynamic modeling: a case application of the new HEC-RAS 5. Natural Hazards, 2017, 89, 93-130.	1.6	155
9	Most computational hydrology is not reproducible, so is it really science?. Water Resources Research, 2016, 52, 7548-7555.	1.7	119
10	Comparison of LLR, MLP, Elman, NNARX and ANFIS Models with a case study in solar radiation estimation. Journal of Atmospheric and Solar-Terrestrial Physics, 2009, 71, 975-982.	0.6	118
11	Modeling groundwater quality over a humid subtropical region using numerical indices, earth observation datasets, and X-ray diffraction technique: a case study of Allahabad district, India. Environmental Geochemistry and Health, 2015, 37, 157-180.	1.8	115
12	Uncertainties in real-time flood forecasting with neural networks. Hydrological Processes, 2007, 21, 223-228.	1.1	105
13	Runoff prediction using an integrated hybrid modelling scheme. Journal of Hydrology, 2009, 372, 48-60.	2.3	92
14	Daily Pan Evaporation Modeling in a Hot and Dry Climate. Journal of Hydrologic Engineering - ASCE, 2009, 14, 803-811.	0.8	91
15	Constraining Conceptual Hydrological Models With Multiple Information Sources. Water Resources Research, 2018, 54, 8332-8362.	1.7	85
16	Analysis of NDVI Data for Crop Identification and Yield Estimation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4374-4384.	2.3	84
17	Model data selection using gamma test for daily solar radiation estimation. Hydrological Processes, 2008, 22, 4301-4309.	1.1	80
18	Performance evaluation of the TRMM precipitation estimation using ground-based radars from the GPM validation network. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 77, 194-208.	0.6	76

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19	Artificial intelligence techniques for clutter identification with polarimetric radar signatures. Atmospheric Research, 2012, 109-110, 95-113.	1.8	75
20	Appraisal of SMOS soil moisture at a catchment scale in a temperate maritime climate. Journal of Hydrology, 2013, 498, 292-304.	2.3	73
21	Sensitivity and uncertainty analysis of mesoscale model downscaled hydro-meteorological variables for discharge prediction. Hydrological Processes, 2014, 28, 4419-4432.	1.1	71
22	Integrated framework for monitoring groundwater pollution using a geographical information system and multivariate analysis. Hydrological Sciences Journal, 2012, 57, 1453-1472.	1.2	70
23	Identification of homogeneous regions for regionalization of watersheds by two-level self-organizing feature maps. Journal of Hydrology, 2014, 509, 387-397.	2.3	67
24	Sensitivity of the Weather Research and Forecasting (WRF) model to downscaling ratios and storm types in rainfall simulation. Hydrological Processes, 2012, 26, 3012-3031.	1.1	65
25	The processes and mechanism of failure and debris flow initiation for gravel soil with different clay content. Geomorphology, 2010, 121, 222-230.	1.1	64
26	Characteristics of raindrop spectra as normalized gamma distribution from a Jossâ€Waldvogel disdrometer. Atmospheric Research, 2012, 108, 57-73.	1.8	63
27	Virtual laboratories: new opportunities for collaborative water science. Hydrology and Earth System Sciences, 2015, 19, 2101-2117.	1.9	63
28	The evolution of root-zone moisture capacities after deforestation: a step towards hydrological predictions under change?. Hydrology and Earth System Sciences, 2016, 20, 4775-4799.	1.9	61
29	Probabilistic thresholds for landslides warning by integrating soil moisture conditions with rainfall thresholds. Journal of Hydrology, 2019, 574, 276-287.	2.3	61
30	Comparative assessment of evapotranspiration derived from <sc>NCEP</sc> and <sc>ECMWF</sc> global datasets through Weather Research and Forecasting model. Atmospheric Science Letters, 2013, 14, 118-125.	0.8	59
31	Estimating reference evapotranspiration using numerical weather modelling. Hydrological Processes, 2010, 24, 3490-3509.	1.1	56
32	Performance evaluation of WRF-Noah Land surface model estimated soil moisture for hydrological application: Synergistic evaluation using SMOS retrieved soil moisture. Journal of Hydrology, 2015, 529, 200-212.	2.3	50
33	Assessment of SMOS soil moisture retrieval parameters using tauâ€omega algorithms for soil moisture deficit estimation. Journal of Hydrology, 2014, 519, 574-587.	2.3	49
34	Analysis of the Public Flood Risk Perception in a Flood-Prone City: The Case of Jingdezhen City in China. Water (Switzerland), 2018, 10, 1577.	1.2	48
35	Comparison of gridded precipitation datasets for rainfall-runoff and inundation modeling in the Mekong River Basin. PLoS ONE, 2020, 15, e0226814.	1.1	48
36	Comparison of different radar-raingauge rainfall merging techniques. Journal of Hydroinformatics, 2015, 17, 422-445.	1.1	46

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37	Error Correction Modelling of Wind Speed Through Hydro-Meteorological Parameters and Mesoscale Model: A Hybrid Approach. <i>Water Resources Management</i> , 2013, 27, 1-23.	1.9	45
38	A cost-effective and efficient framework to determine water quality monitoring network locations. <i>Science of the Total Environment</i> , 2018, 624, 283-293.	3.9	45
39	Data Fusion Techniques for Improving Soil Moisture Deficit Using SMOS Satellite and WRF-NOAH Land Surface Model. <i>Water Resources Management</i> , 2013, 27, 5069.	1.9	44
40	Evaluation of Remotely Sensed Soil Moisture for Landslide Hazard Assessment. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 162-173.	2.3	44
41	An improved technique for global solar radiation estimation using numerical weather prediction. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015, 129, 13-22.	0.6	43
42	Representing radar rainfall uncertainty with ensembles based on a time-variant geostatistical error modelling approach. <i>Journal of Hydrology</i> , 2017, 548, 391-405.	2.3	40
43	River Flow Modelling Using Fuzzy Decision Trees. <i>Water Resources Management</i> , 2002, 16, 431-445.	1.9	38
44	Integrated Planning of Land Use and Water Allocation on a Watershed Scale Considering Social and Water Quality Issues. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2012, 138, 671-681.	1.3	37
45	A study on WRF radar data assimilation for hydrological rainfall prediction. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 3095-3110.	1.9	37
46	Input data selection for solar radiation estimation. <i>Hydrological Processes</i> , 2009, 23, 2754-2764.	1.1	36
47	Assessment of simulated soil moisture from WRF Noah, Noah-MP, and CLM land surface schemes for landslide hazard application. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 4199-4218.	1.9	36
48	Bias correction methods for regional climate model simulations considering the distributional parametric uncertainty underlying the observations. <i>Journal of Hydrology</i> , 2015, 530, 568-579.	2.3	35
49	Appraisal of NLDAS-2 Multi-Model Simulated Soil Moistures for Hydrological Modelling. <i>Water Resources Management</i> , 2015, 29, 3503-3517.	1.9	34
50	A real-time flood forecasting system with dual updating of the NWP rainfall and the river flow. <i>Natural Hazards</i> , 2015, 77, 1161-1182.	1.6	34
51	Correction of the bright band using dual-polarisation radar. <i>Atmospheric Science Letters</i> , 2005, 6, 40-46.	0.8	33
52	Spatio-temporal drought patterns of multiple drought indices based on precipitation and soil moisture: A case study in South Korea. <i>International Journal of Climatology</i> , 2019, 39, 4669-4687.	1.5	33
53	Recession curve estimation for storm event separations. <i>Journal of Hydrology</i> , 2006, 330, 573-585.	2.3	32
54	Influence of Rain Gauge Density on Interpolation Method Selection. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014, 19, .	0.8	32

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55	Automated Thiessen polygon generation. <i>Water Resources Research</i> , 2006, 42, .	1.7	31
56	Multivariate distributed ensemble generator: A new scheme for ensemble radar precipitation estimation over temperate maritime climate. <i>Journal of Hydrology</i> , 2014, 511, 17-27.	2.3	31
57	A Jossâ€“Waldvogel disdrometer derived rainfall estimation study by collocated tipping bucket and rapid response rain gauges. <i>Atmospheric Science Letters</i> , 2012, 13, 139-150.	0.8	29
58	Probabilistic radar rainfall nowcasts using empirical and theoretical uncertainty models. <i>Hydrological Processes</i> , 2015, 29, 66-79.	1.1	28
59	Input variable selection for median flood regionalization. <i>Water Resources Research</i> , 2011, 47, .	1.7	27
60	Seasonal evaluation of evapotranspiration fluxes from MODIS satellite and mesoscale model downscaled global reanalysis datasets. <i>Theoretical and Applied Climatology</i> , 2016, 124, 461-473.	1.3	27
61	Estimation of soil moisture using modified antecedent precipitation index with application in landslide predictions. <i>Landslides</i> , 2019, 16, 2381-2393.	2.7	27
62	Exploring the effect of data assimilation by WRFâ€“3DVar for numerical rainfall prediction with different types of storm events. <i>Hydrological Processes</i> , 2013, 27, 3627-3640.	1.1	26
63	Indices for calibration data selection of the rainfallâ€“runoff model. <i>Water Resources Research</i> , 2010, 46, .	1.7	25
64	IMPACT OF EARTHQUAKE ON DEBRIS FLOWS â€” A CASE STUDY ON THE WENCHUAN EARTHQUAKE. <i>Journal of Earthquake and Tsunami</i> , 2011, 05, 493-508.	0.7	25
65	Multi-satellite precipitation products for meteorological drought assessment and forecasting in Central India. <i>Geocarto International</i> , 2022, 37, 1899-1918.	1.7	25
66	Integrating Soil Hydraulic Parameter and Microwave Precipitation with Morphometric Analysis for Watershed Prioritization. <i>Water Resources Management</i> , 2016, 30, 5385-5405.	1.9	24
67	Fluvial Flood Forecasting. <i>Water and Environment Journal</i> , 2000, 14, 270-276.	1.0	23
68	Exploration of discrepancy between radar and gauge rainfall estimates driven by wind fields. <i>Water Resources Research</i> , 2014, 50, 8571-8588.	1.7	23
69	Input selection for long-lead precipitation prediction using large-scale climate variables: a case study. <i>Journal of Hydroinformatics</i> , 2015, 17, 114-129.	1.1	23
70	Could operational hydrological models be made compatible with satellite soil moisture observations?. <i>Hydrological Processes</i> , 2016, 30, 1637-1648.	1.1	23
71	Sensitivity analysis of raindrop size distribution parameterizations in WRF rainfall simulation. <i>Atmospheric Research</i> , 2019, 228, 1-13.	1.8	23
72	Derivation of unit hydrograph using a transfer function approach. <i>Water Resources Research</i> , 2006, 42, .	1.7	22

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73	Fuzzy logic based melting layer recognition from 3ÂGHz dual polarization radar: appraisal with NWP model and radio sounding observations. <i>Theoretical and Applied Climatology</i> , 2013, 112, 317-338.	1.3	22
74	Calculation method and application of loss of life caused by dam break in China. <i>Natural Hazards</i> , 2017, 85, 39-57.	1.6	22
75	Analysis of NVDI variability in response to precipitation and air temperature in different regions of Iraq, using MODIS vegetation indices. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	22
76	Comparative assessment of soil moisture estimation from land surface model and satellite remote sensing based on catchment water balance. <i>Meteorological Applications</i> , 2014, 21, 521-534.	0.9	21
77	A Hybrid Approach Combining Conceptual Hydrological Models, Support Vector Machines and Remote Sensing Data for Rainfall-Runoff Modeling. <i>Remote Sensing</i> , 2020, 12, 1801.	1.8	21
78	Effect of data time interval on real-time flood forecasting. <i>Journal of Hydroinformatics</i> , 2010, 12, 396-407.	1.1	20
79	An exploratory investigation of an adaptive neuro fuzzy inference system (ANFIS) for estimating hydrometeors from TRMM/TMI in synergy with TRMM/PR. <i>Atmospheric Research</i> , 2014, 145-146, 57-68.	1.8	20
80	Meta-analysis of flow modeling performances to build a matching system between catchment complexity and model types. <i>Hydrological Processes</i> , 2015, 29, 2463-2477.	1.1	20
81	Misrepresentation and amendment of soil moisture in conceptual hydrological modelling. <i>Journal of Hydrology</i> , 2016, 535, 637-651.	2.3	20
82	Evaluation of the ability of the Weather Research and Forecasting model to reproduce a sub-daily extreme rainfall event in Beijing, China using different domain configurations and spin-up times. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 3391-3407.	1.9	20
83	The relevance of Open Source to hydroinformatics. <i>Journal of Hydroinformatics</i> , 2002, 4, 219-234.	1.1	20
84	Estimation of land surface temperature from atmospherically corrected LANDSAT TM image using 6S and NCEP global reanalysis product. <i>Environmental Earth Sciences</i> , 2014, 72, 5183-5196.	1.3	19
85	ANFIS and NNARX based rainfall-runoff modeling. <i>Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics</i> , 2008, , .	0.0	18
86	The impact of raindrop drift in a three-dimensional wind field on a radar gauge rainfall comparison. <i>International Journal of Remote Sensing</i> , 2013, 34, 7739-7760.	1.3	18
87	Meta-analysis of influential factors on crop yield estimation by remote sensing. <i>International Journal of Remote Sensing</i> , 2014, 35, 2267-2295.	1.3	18
88	Evaluation of SMOS soil moisture retrievals over the central United States for hydro-meteorological application. <i>Physics and Chemistry of the Earth</i> , 2015, 83-84, 146-155.	1.2	18
89	Exploration of the creep properties of undisturbed shear zone soil of the Huangtupo landslide. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 1237-1248.	1.6	18
90	Modelling radar-rainfall estimation uncertainties using elliptical and Archimedean copulas with different marginal distributions. <i>Hydrological Sciences Journal</i> , 2014, 59, 1992-2008.	1.2	17

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91	A hybrid modelling approach for assessing solar radiation. <i>Theoretical and Applied Climatology</i> , 2015, 122, 403-420.	1.3	17
92	Predicting streamflows to a multipurpose reservoir using artificial neural networks and regression techniques. <i>Earth Science Informatics</i> , 2015, 8, 337-352.	1.6	17
93	Assessment of rainfall spatial variability and its influence on runoff modelling: A case study in the Brue catchment, UK. <i>Hydrological Processes</i> , 2017, 31, 2972-2981.	1.1	17
94	Adjustment of Radar-Gauge Rainfall Discrepancy Due to Raindrop Drift and Evaporation Using the Weather Research and Forecasting Model and Dual-Polarization Radar. <i>Water Resources Research</i> , 2019, 55, 9211-9233.	1.7	17
95	Real-time monitoring of weather radar antenna pointing using digital terrain elevation and a Bayes clutter classifier. <i>Meteorological Applications</i> , 2009, 16, 227-236.	0.9	16
96	On selection of the optimal data time interval for real-time hydrological forecasting. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 3639-3659.	1.9	16
97	Real-time evacuation and failure mechanism of a giant soil landslide on 19 July 2018 in Yanyuan County, Sichuan Province, China. <i>Landslides</i> , 2019, 16, 1177-1187.	2.7	16
98	Application of hydrological model simulations in landslide predictions. <i>Landslides</i> , 2020, 17, 877-891.	2.7	16
99	Calibration of Roughness Parameters Using Rainfall-Runoff Water Balance for Satellite Soil Moisture Retrieval. <i>Journal of Hydrologic Engineering - ASCE</i> , 2012, 17, 704-714.	0.8	15
100	Radar rainfall uncertainty modelling influenced by wind. <i>Hydrological Processes</i> , 2015, 29, 1704-1716.	1.1	15
101	Bias correction of daily precipitation over South Korea from the long-term reanalysis using a composite Gamma-Pareto distribution approach. <i>Hydrology Research</i> , 2019, 50, 1138-1161.	1.1	15
102	Rainfall uncertainty for extreme events in NWP downscaling model. <i>Hydrological Processes</i> , 2011, 25, 1397-1406.	1.1	14
103	Using S-band dual polarized radar for convective/stratiform rain indexing and the correspondence with AMSR-E GSFC profiling algorithm. <i>Advances in Space Research</i> , 2012, 50, 1383-1390.	1.2	14
104	Tree-based genetic programming approach to infer microphysical parameters of the DSDs from the polarization diversity measurements. <i>Computers and Geosciences</i> , 2012, 48, 20-30.	2.0	14
105	Multi-source hydrological soil moisture state estimation using data fusion optimisation. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3267-3285.	1.9	13
106	Attribution Analysis for Runoff Change on Multiple Scales in a Humid Subtropical Basin Dominated by Forest, East China. <i>Forests</i> , 2019, 10, 184.	0.9	13
107	Assessing the potential of different satellite soil moisture products in landslide hazard assessment. <i>Remote Sensing of Environment</i> , 2021, 264, 112583.	4.6	13
108	Variable Selection Using the Gamma Test Forward and Backward Selections. <i>Journal of Hydrologic Engineering - ASCE</i> , 2012, 17, 182-190.	0.8	12

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109	Hydrological modelling under climate change considering nonstationarity and seasonal effects. <i>Hydrology Research</i> , 2016, 47, 260-273.	1.1	12
110	Reference Evapotranspiration Retrievals from a Mesoscale Model Based Weather Variables for Soil Moisture Deficit Estimation. <i>Sustainability</i> , 2017, 9, 1971.	1.6	12
111	An improved bias correction scheme based on comparative precipitation characteristics. <i>Hydrological Processes</i> , 2015, 29, 2258-2266.	1.1	11
112	Soil moisture deficit estimation using satellite multi-angle brightness temperature. <i>Journal of Hydrology</i> , 2016, 539, 392-405.	2.3	11
113	Impact of the Storm Sewer Network Complexity on Flood Simulations According to the Stroke Scaling Method. <i>Water (Switzerland)</i> , 2018, 10, 645.	1.2	11
114	Uncertainty analysis of radar rainfall estimates induced by atmospheric conditions using long short-term memory networks. <i>Journal of Hydrology</i> , 2020, 590, 125482.	2.3	11
115	To develop a progressive multimetric configuration optimisation method for WRF simulations of extreme rainfall events over Egypt. <i>Journal of Hydrology</i> , 2021, 598, 126237.	2.3	11
116	Estimation of rainfall erosivity based on WRF-derived raindrop size distributions. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 5407-5422.	1.9	11
117	Using Weather Radars to Measure Rainfall in Urban Catchments. <i>Journal of Urban Technology</i> , 2000, 7, 85-102.	2.5	10
118	Sensitivity associated with bright band/melting layer location on radar reflectivity correction for attenuation at C-band using differential propagation phase measurements. <i>Atmospheric Research</i> , 2014, 135-136, 143-158.	1.8	10
119	Error distribution modelling of satellite soil moisture measurements for hydrological applications. <i>Hydrological Processes</i> , 2016, 30, 2223-2236.	1.1	10
120	High Temporal Resolution Rainfall Information Retrieval from Tipping-bucket Rain Gauge Measurements. <i>Procedia Engineering</i> , 2016, 154, 1193-1200.	1.2	10
121	Uncertainty assessment of radar-raingauge merged rainfall estimates in river discharge simulations. <i>Journal of Hydrology</i> , 2021, 603, 127093.	2.3	10
122	Issues of using digital maps for catchment delineation. <i>Water Management</i> , 2006, 159, 45-51.	0.4	9
123	Comparative modelling of two catchments in Taiwan and England. <i>Hydrological Processes</i> , 2006, 20, 4335-4349.	1.1	9
124	Seasonal evaluation of rainfall estimation by four cumulus parameterization schemes and their sensitivity analysis. <i>Hydrological Processes</i> , 2012, 26, 1062-1078.	1.1	9
125	Seasonal ensemble generator for radar rainfall using copula and autoregressive model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016, 30, 27-38.	1.9	9
126	Exploration of optimal time steps for daily precipitation bias correction: a case study using a single grid of RCM on the River Exe in southwest England. <i>Hydrological Sciences Journal</i> , 2016, 61, 289-301.	1.2	9

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127	Exploration of empirical relationship between surface soil temperature and surface soil moisture over two catchments of contrasting climates and land covers. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	0.6	9
128	Predicting vegetation phenology in response to climate change using bioclimatic indices in Iraq. <i>Journal of Water and Climate Change</i> , 2019, 10, 835-851.	1.2	9
129	An assessment of statistical interpolation methods suited for gridded rainfall datasets. <i>International Journal of Climatology</i> , 2022, 42, 2754-2772.	1.5	9
130	High temporal resolution rainfall rate estimation from rain gauge measurements. <i>Journal of Hydroinformatics</i> , 2017, 19, 930-941.	1.1	9
131	Catchment Morphing (CM): A Novel Approach for Runoff Modeling in Ungauged Catchments. <i>Water Resources Research</i> , 2017, 53, 10899-10907.	1.7	8
132	Soil moisture sensor network design for hydrological applications. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 2577-2591.	1.9	8
133	A new total volume model of debris flows with intermittent surges: based on the observations at Jiangjia Valley, southwest China. <i>Natural Hazards</i> , 2011, 56, 37-57.	1.6	7
134	Identification of dominant sources of sea level pressure for precipitation forecasting over Wales. <i>Journal of Hydroinformatics</i> , 2013, 15, 1002-1021.	1.1	7
135	Hydrological Evaluation of Satellite Soil Moisture Data in Two Basins of Different Climate and Vegetation Density Conditions. <i>Advances in Meteorology</i> , 2017, 2017, 1-15.	0.6	7
136	Bias-correction schemes for calibrated flow in a conceptual hydrological model. <i>Hydrology Research</i> , 2021, 52, 196-211.	1.1	7
137	Accounting for satellite rainfall uncertainty in rainfall-triggered landslide forecasting. <i>Geomorphology</i> , 2022, 398, 108051.	1.1	7
138	CLOUDET: A Cloud Detection and Estimation Algorithm for Passive Microwave Imagers and Sounders Aided by Naïve Bayes Classifier and Multilayer Perceptron. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 4296-4301.	2.3	6
139	Study on the effect of rainfall spatial variability on runoff modelling. <i>Journal of Hydroinformatics</i> , 2018, 20, 577-587.	1.1	6
140	Comparative study on long term climate data sources over South Korea. <i>Journal of Water and Climate Change</i> , 2019, 10, 504-523.	1.2	6
141	Solar radiation estimation in ungauged catchments. <i>Water Management</i> , 2010, 163, 349-359.	0.4	5
142	Quantization analysis of weather radar data with synthetic rainfall. <i>Stochastic Environmental Research and Risk Assessment</i> , 2008, 22, 367-377.	1.9	4
143	Validation of the Gamma Test for Model Input Data Selection - with a Case Study in Evaporation Estimation. , 2009, , .		4
144	ENSEMBLE PREDICTION OF INUNDATION RISK AND UNCERTAINTY ARISING FROM SCOUR (EPIRUS). , 2009, , .		4

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145	Making calibration objectives relevant for flood forecasting. <i>Water Management</i> , 2012, 165, 121-136.	0.4	4
146	Model structure exploration for index flood regionalization. <i>Hydrological Processes</i> , 2013, 27, 2903-2917.	1.1	4
147	Calibration Catchment Selection for Flood Regionalization Modeling ¹ . <i>Journal of the American Water Resources Association</i> , 2012, 48, 698-706.	1.0	4
148	Uncertainty in index flood modelling due to calibration data sizes. <i>Hydrological Processes</i> , 2012, 26, 189-201.	1.1	4
149	A Participatory Multiple Criteria Decision Analysis to Tackle a Complex Environmental Problem Involving Cultural Water Heritage and Nature. <i>Water (Switzerland)</i> , 2018, 10, 1785.	1.2	4
150	Reanalysis Product-Based Nonstationary Frequency Analysis for Estimating Extreme Design Rainfall. <i>Atmosphere</i> , 2021, 12, 191.	1.0	4
151	The impact of wind on the rainfall-runoff relationship in urban high-rise building areas. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 6023-6039.	1.9	4
152	Reply to comments on "Evaporation estimation using artificial neural networks and adaptive neurofuzzy inference system techniques" by A. Moghaddamnia, M. Ghafari Gousheh, J. Piri, S. Amin and D. Han [<i>Adv. Water Resour.</i> 32 (2009) 88-97]. <i>Advances in Water Resources</i> , 2009, 32, 967-968.	1.7	3
153	Catchment characteristics for index flood regionalisation. <i>Water Management</i> , 2012, 165, 179-189.	0.4	3
154	Radar and rain gauge rainfall discrepancies driven by changes in atmospheric conditions. <i>Geophysical Research Letters</i> , 2017, 44, 7303-7309.	1.5	3
155	Exploration of an adaptive merging scheme for optimal precipitation estimation over ungauged urban catchment. <i>Journal of Hydroinformatics</i> , 2017, 19, 225-237.	1.1	3
156	An Uncertainty Investigation of RCM Downscaling Ratios in Nonstationary Extreme Rainfall IDF Curves. <i>Atmosphere</i> , 2018, 9, 151.	1.0	3
157	Climate Change Adaptations for Food Security in Vulnerable Areas of the Egyptian Nile "For Tackling the Overlooked Nexus Hazards of Hydrological Extremes and Waste Pollutions. <i>Water (Switzerland)</i> , 2021, 13, 412.	1.2	3
158	Uncertainty with the Gamma Test for model input data selection. , 2010, , .		2
159	Comparative study of IHACRES model optimisation schemes. <i>Water Management</i> , 2014, 167, 194-205.	0.4	2
160	Reply to comment by Melsen et al. on "Most computational hydrology is not reproducible, so is it really science?" <i>Water Resources Research</i> , 2017, 53, 2570-2571.	1.7	2
161	Exploration of Daily Rainfall Intensity Change in South Korea 1900-2010 Using Bias-Corrected ERA-20C. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, 05020009.	0.8	2
162	Resilient infrastructures for reducing urban flooding risks. , 2021, , 181-200.		2

#	ARTICLE	IF	CITATIONS
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