Jan Seibert

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241 13,988 62 111 g-index

305 15,842 4.6 7 L-index

#	Paper	IF	Citations
241	Bias correction of regional climate model simulations for hydrological climate-change impact studies: Review and evaluation of different methods. <i>Journal of Hydrology</i> , 2012 , 456-457, 12-29	6	930
240	The role of topography on catchment-scale water residence time. Water Resources Research, 2005 , 41,	5.4	495
239	On the calculation of the topographic wetness index: evaluation of different methods based on field observations. <i>Hydrology and Earth System Sciences</i> , 2006 , 10, 101-112	5.5	461
238	On the dialog between experimentalist and modeler in catchment hydrology: Use of soft data for multicriteria model calibration. <i>Water Resources Research</i> , 2002 , 38, 23-1-23-14	5.4	423
237	Teaching hydrological modeling with a user-friendly catchment-runoff-model software package. <i>Hydrology and Earth System Sciences</i> , 2012 , 16, 3315-3325	5.5	273
236	Regionalisation of parameters for a conceptual rainfall-runoff model. <i>Agricultural and Forest Meteorology</i> , 1999 , 98-99, 279-293	5.8	268
235	Resolving the Double Paradox of rapidly mobilized old water with highly variable responses in runoff chemistry. <i>Hydrological Processes</i> , 2004 , 18, 185-189	3.3	265
234	Twenty-three unsolved problems in hydrology (UPH) (a) community perspective. <i>Hydrological Sciences Journal</i> , 2019 , 64, 1141-1158	3.5	259
233	How old is streamwater? Open questions in catchment transit time conceptualization, modelling and analysis. <i>Hydrological Processes</i> , 2010 , 24, 1745-1754	3.3	243
232	Is bias correction of regional climate model (RCM) simulations possible for non-stationary conditions?. <i>Hydrology and Earth System Sciences</i> , 2013 , 17, 5061-5077	5.5	239
231	Multi-criteria calibration of a conceptual runoff model using a genetic algorithm. <i>Hydrology and Earth System Sciences</i> , 2000 , 4, 215-224	5.5	231
230	Regional Climate Models for Hydrological Impact Studies at the Catchment Scale: A Review of Recent Modeling Strategies. <i>Geography Compass</i> , 2010 , 4, 834-860	2.4	226
229	A new triangular multiple flow direction algorithm for computing upslope areas from gridded digital elevation models. <i>Water Resources Research</i> , 2007 , 43,	5.4	220
228	Aqua Incognita: the unknown headwaters. <i>Hydrological Processes</i> , 2008 , 22, 1239-1242	3.3	213
227	Prediction uncertainty of conceptual rainfall-runoff models caused by problems in identifying model parameters and structure. <i>Hydrological Sciences Journal</i> , 1999 , 44, 779-797	3.5	202
226	Topographical influences on soil properties in boreal forests. <i>Geoderma</i> , 2007 , 141, 139-148	6.7	200
225	How does landscape structure influence catchment transit time across different geomorphic provinces?. <i>Hydrological Processes</i> , 2009 , 23, 945-953	3.3	182

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224	The role of catchment scale and landscape characteristics for runoff generation of boreal streams. Journal of Hydrology, 2007 , 344, 198-209	6	181
223	Modeling spatial patterns of saturated areas: A comparison of the topographic wetness index and a dynamic distributed model. <i>Journal of Hydrology</i> , 2009 , 373, 15-23	6	175
222	Linking soil- and stream-water chemistry based on a Riparian Flow-Concentration Integration Model. <i>Hydrology and Earth System Sciences</i> , 2009 , 13, 2287-2297	5.5	172
221	Estimation of Parameter Uncertainty in the HBV Model 1997 , 28, 247-262		167
220	Calibration of hydrological models using flow-duration curves. <i>Hydrology and Earth System Sciences</i> , 2011 , 15, 2205-2227	5.5	165
219	Effects of DEM resolution on the calculation of topographical indices: TWI and its components. <i>Journal of Hydrology</i> , 2007 , 347, 79-89	6	165
218	Hydrological flow paths during snowmelt: Congruence between hydrometric measurements and oxygen 18 in meltwater, soil water, and runoff. <i>Water Resources Research</i> , 2004 , 40,	5.4	160
217	Gauging the ungauged basin: how many discharge measurements are needed?. <i>Hydrology and Earth System Sciences</i> , 2009 , 13, 883-892	5.5	157
216	Scale effects on headwater catchment runoff timing, flow sources, and groundwater-streamflow relations. <i>Water Resources Research</i> , 2004 , 40,	5.4	157
215	A new topographic index to quantify downslope controls on local drainage. <i>Water Resources Research</i> , 2004 , 40,	5.4	148
214	Assessing the impact of land use change on hydrology by ensemble modeling (LUCHEM). I: Model intercomparison with current land use. <i>Advances in Water Resources</i> , 2009 , 32, 129-146	4.7	141
213	Robust changes and sources of uncertainty in the projected hydrological regimes of Swiss catchments. <i>Water Resources Research</i> , 2014 , 50, 7541-7562	5.4	140
212	Evaluation of different downscaling techniques for hydrological climate-change impact studies at the catchment scale. <i>Climate Dynamics</i> , 2011 , 37, 2087-2105	4.2	139
211	Distributed assessment of contributing area and riparian buffering along stream networks. <i>Water Resources Research</i> , 2003 , 39,	5.4	130
210	Spatial and Temporal Variability in Growing-Season Net Ecosystem Carbon Dioxide Exchange at a Large Peatland in Ontario, Canada. <i>Ecosystems</i> , 2005 , 8, 430-441	3.9	130
209	On the relationships between catchment scale and streamwater mean residence time. <i>Hydrological Processes</i> , 2003 , 17, 175-181	3.3	129
208	Groundwater dynamics along a hillslope: A test of the steady state hypothesis. <i>Water Resources Research</i> , 2003 , 39,	5.4	121
207	Dissolved inorganic carbon export across the soil/stream interface and its fate in a boreal headwater stream. <i>Environmental Science & Environmental S</i>	10.3	118

206	Reliability of Model Predictions Outside Calibration Conditions 2003, 34, 477-492		113
205	Cross-regional prediction of long-term trajectory of stream water DOC response to climate change. <i>Geophysical Research Letters</i> , 2012 , 39,	4.9	110
204	Stage-discharge uncertainty derived with a non-stationary rating curve in the Choluteca River, Honduras. <i>Hydrological Processes</i> , 2011 , 25, 603-613	3.3	110
203	Riparian zone hydrology and soil water total organic carbon (TOC): implications for spatial variability and upscaling of lateral riparian TOC exports. <i>Biogeosciences</i> , 2012 , 9, 3901-3916	4.6	109
202	Assessing the impact of land use change on hydrology by ensemble modelling (LUCHEM) II: Ensemble combinations and predictions. <i>Advances in Water Resources</i> , 2009 , 32, 147-158	4.7	108
201	Inter-catchment comparison to assess the influence of topography and soils on catchment transit times in a geomorphic province; the Cairngorm mountains, Scotland. <i>Hydrological Processes</i> , 2009 , 23, 1874-1886	3.3	107
200	On the need for benchmarks in hydrological modelling. <i>Hydrological Processes</i> , 2001 , 15, 1063-1064	3.3	102
199	Does model performance improve with complexity? A case study with three hydrological models. <i>Journal of Hydrology</i> , 2015 , 523, 147-159	6	100
198	Wetland occurrence in relation to topography: a test of topographic indices as moisture indicators. <i>Agricultural and Forest Meteorology</i> , 1999 , 98-99, 325-340	5.8	95
197	On the value of glacier mass balances for hydrological model calibration. <i>Journal of Hydrology</i> , 2010 , 385, 238-246	6	92
196	Estimation of permafrost thawing rates in a sub-arctic catchment using recession flow analysis. <i>Hydrology and Earth System Sciences</i> , 2009 , 13, 595-604	5.5	88
195	Inter-comparison of hydro-climatic regimes across northern catchments: synchronicity, resistance and resilience. <i>Hydrological Processes</i> , 2010 , 24, 3591-3602	3.3	88
194	Modeling spatial patterns of saturated areas: An evaluation of different terrain indices. <i>Water Resources Research</i> , 2004 , 40,	5.4	88
193	The value of multiple data set calibration versus model complexity for improving the performance of hydrological models in mountain catchments. <i>Water Resources Research</i> , 2015 , 51, 1939-1958	5.4	85
192	Land-cover impacts on streamflow: a change-detection modelling approach that incorporates parameter uncertainty. <i>Hydrological Sciences Journal</i> , 2010 , 55, 316-332	3.5	85
191	Comparison of hydrological model structures based on recession and low flow simulations. <i>Hydrology and Earth System Sciences</i> , 2011 , 15, 3447-3459	5.5	84
190	Multi-criterial validation of TOPMODEL in a mountainous catchment. <i>Hydrological Processes</i> , 1999 , 13, 1603-1620	3.3	82
189	Dynamics of stream water TOC concentrations in a boreal headwater catchment: Controlling factors and implications for climate scenarios. <i>Journal of Hydrology</i> , 2009 , 373, 44-56	6	77

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188	Simulating interactions between saturated and unsaturated storage in a conceptual runoff model. <i>Hydrological Processes</i> , 2003 , 17, 379-390	3.3	77	
187	A test of TOPMODEL'a ability to predict spatially distributed groundwater levels. <i>Hydrological Processes</i> , 1997 , 11, 1131-1144	3.3	76	
186	Catchment water storage variation with elevation. <i>Hydrological Processes</i> , 2017 , 31, 2000-2015	3.3	72	
185	Accelerating advances in continental domain hydrologic modeling. <i>Water Resources Research</i> , 2015 , 51, 10078-10091	5.4	70	
184	Continuous long-term measurements of soil-plant-atmosphere variables at a forest site. <i>Agricultural and Forest Meteorology</i> , 1999 , 98-99, 53-73	5.8	69	
183	Assessing the impact of land use change on hydrology by ensemble modeling (LUCHEM) III: Scenario analysis. <i>Advances in Water Resources</i> , 2009 , 32, 159-170	4.7	68	
182	Water storage in a till catchment. II: Implications of transmissivity feedback for flow paths and turnover times. <i>Hydrological Processes</i> , 2011 , 25, 3950-3959	3.3	67	
181	Regional water balance modelling in the NOPEX area: development and application of monthly water balance models. <i>Journal of Hydrology</i> , 1996 , 180, 211-236	6	66	
180	Evaluating model performance: towards a non-parametric variant of the Kling-Gupta efficiency. <i>Hydrological Sciences Journal</i> , 2018 , 63, 1941-1953	3.5	64	
179	Temporal sampling strategies and uncertainty in calibrating a conceptual hydrological model for a small boreal catchment. <i>Hydrological Processes</i> , 2009 , 23, 3093-3109	3.3	62	
178	Stable oxygen and hydrogen isotopes in sub-Arctic lake waters from northern Sweden. <i>Journal of Hydrology</i> , 2009 , 376, 143-151	6	60	
177	Flood-type classification in mountainous catchments using crisp and fuzzy decision trees. <i>Water Resources Research</i> , 2015 , 51, 7959-7976	5.4	56	
176	Riparian soil temperature modification of the relationship between flow and dissolved organic carbon concentration in a boreal stream. <i>Water Resources Research</i> , 2011 , 47,	5.4	56	
175	Catchment-scale estimates of flow path partitioning and water storage based on transit time and runoff modelling. <i>Hydrological Processes</i> , 2011 , 25, 3960-3976	3.3	56	
174	A drought index accounting for snow. Water Resources Research, 2014, 50, 7861-7872	5.4	55	
173	Effects of wildfire on catchment runoff response: a modelling approach to detect changes in snow-dominated forested catchments 2010 , 41, 378-390		55	
172	Upper and lower benchmarks in hydrological modelling. <i>Hydrological Processes</i> , 2018 , 32, 1120-1125	3.3	54	
171	Controls on snowmelt water mean transit times in northern boreal catchments. <i>Hydrological Processes</i> , 2010 , 24, 1672-1684	3.3	52	

170	Use of color maps and wavelet coherence to discern seasonal and interannual climate influences on streamflow variability in northern catchments. <i>Water Resources Research</i> , 2013 , 49, 6194-6207	5.4	50
169	Specific discharge variability in a boreal landscape. Water Resources Research, 2012, 48,	5.4	50
168	Conceptualization in catchment modelling: simply learning?. <i>Hydrological Processes</i> , 2008 , 22, 2389-239	33.3	50
167	Catchments on the cusp? Structural and functional change in northern ecohydrology. <i>Hydrological Processes</i> , 2013 , 27, 766-774	3.3	49
166	Flood type specific construction of synthetic design hydrographs. <i>Water Resources Research</i> , 2017 , 53, 1390-1406	5.4	47
165	Spatial variation in discharge and concentrations of organic carbon in a catchment network of boreal streams in northern Sweden. <i>Journal of Hydrology</i> , 2007 , 342, 72-87	6	47
164	Topographic controls on shallow groundwater levels in a steep, prealpine catchment: When are the TWI assumptions valid?. <i>Water Resources Research</i> , 2014 , 50, 6067-6080	5.4	46
163	Landscape controls on spatiotemporal discharge variability in a boreal catchment. <i>Water Resources Research</i> , 2016 , 52, 6541-6556	5.4	46
162	How uncertainty analysis of streamflow data can reduce costs and promote robust decisions in water management applications. <i>Water Resources Research</i> , 2017 , 53, 5220-5228	5.4	43
161	Snow redistribution for the hydrological modeling of alpine catchments. <i>Wiley Interdisciplinary Reviews: Water</i> , 2017 , 4, e1232	5.7	43
160	Forest harvest increases runoff most during low flows in two boreal streams. <i>Ambio</i> , 2009 , 38, 357-63	6.5	42
159	Spatial heterogeneity of the spring flood acid pulse in a boreal stream network. <i>Science of the Total Environment</i> , 2008 , 407, 708-22	10.2	42
158	Bivariate return periods and their importance for flood peak and volume estimation. <i>Wiley Interdisciplinary Reviews: Water</i> , 2016 , 3, 819-833	5.7	41
157	Gauging the Ungauged Basin: Relative Value of Soft and Hard Data. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20,	1.8	40
156	Hillslopefiparian-stream connectivity and flow directions at the Panola Mountain Research Watershed. <i>Hydrological Processes</i> , 2015 , 29, 3556-3574	3.3	40
155	Importance of maximum snow accumulation for summer low flows in humid catchments. <i>Hydrology and Earth System Sciences</i> , 2016 , 20, 859-874	5.5	40
154	Location and density of rain gauges for the estimation of spatial varying precipitation. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2015 , 97, 167-179	1.1	39
153	Assessing the benefit of snow data assimilation for runoff modeling in Alpine catchments. Hydrology and Earth System Sciences, 2016, 20, 3895-3905	5.5	39

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152	Comparison of threshold hydrologic response across northern catchments. <i>Hydrological Processes</i> , 2015 , 29, 3575-3591	3.3	39
151	Geostatistical investigation into the temporal evolution of spatial structure in a shallow water table. <i>Hydrology and Earth System Sciences</i> , 2006 , 10, 113-125	5.5	39
150	Modeling of Future Changes in Seasonal Snowpack and Impacts on Summer Low Flows in Alpine Catchments. <i>Water Resources Research</i> , 2018 , 54, 538-556	5.4	38
149	Smiling in the rain: Seven reasons to be positive about uncertainty in hydrological modelling. <i>Hydrological Processes</i> , 2013 , 27, 1117-1122	3.3	38
148	Impact of social preparedness on flood early warning systems. Water Resources Research, 2017, 53, 522	-534	37
147	Spatial variability in the isotopic composition of rainfall in a small headwater catchment and its effect on hydrograph separation. <i>Journal of Hydrology</i> , 2017 , 547, 755-769	6	37
146	Model Calibration Criteria for Estimating Ecological Flow Characteristics. <i>Water (Switzerland)</i> , 2015 , 7, 2358-2381	3	37
145	Virtual Staff Gauges for Crowd-Based Stream Level Observations. Frontiers in Earth Science, 2019, 7,	3.5	37
144	Multiscale calibration and validation of a conceptual rainfall-runoff model. <i>Physics and Chemistry of the Earth</i> , 2000 , 25, 59-64		36
143	Contributing sources to baseflow in pre-alpine headwaters using spatial snapshot sampling. <i>Hydrological Processes</i> , 2015 , 29, 5321-5336	3.3	35
142	Variability of groundwater levels and total organic carbon in the riparian zone of a boreal catchment. <i>Journal of Geophysical Research</i> , 2011 , 116,		35
141	Evolution of soil solution aluminum during transport along a forested boreal hillslope. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		34
140	Propagation of biases in climate models from the synoptic to the regional scale: Implications for bias adjustment. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 2075-2089	4.4	34
139	Effects of univariate and multivariate bias correction on hydrological impact projections in alpine catchments. <i>Hydrology and Earth System Sciences</i> , 2019 , 23, 1339-1354	5.5	33
138	Regional water balance modelling using flow-duration curves with observational uncertainties. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 2993-3013	5.5	33
137	Bias correction for hydrological impact studies Ibeyond the daily perspective. <i>Hydrological Processes</i> , 2014 , 28, 4823-4828	3.3	33
136	Expansion and contraction of the flowing stream network alter hillslope flowpath lengths and the shape of the travel time distribution. <i>Hydrology and Earth System Sciences</i> , 2019 , 23, 4825-4834	5.5	33
135	Change in winter climate will affect dissolved organic carbon and water fluxes in mid-to-high latitude catchments. <i>Hydrological Processes</i> , 2013 , 27, 700-709	3.3	32

134	Appropriate temporal resolution of precipitation data for discharge modelling in pre-alpine catchments. <i>Hydrological Sciences Journal</i> , 2018 , 63, 1-16	3.5	31
133	Groundwater dynamics in a till hillslope: flow directions, gradients and delay. <i>Hydrological Processes</i> , 2011 , 25, 1899-1909	3.3	30
132	Value of different precipitation data for flood prediction in an alpine catchment: A Bayesian approach. <i>Journal of Hydrology</i> , 2018 , 556, 961-971	6	29
131	Hydrological change detection using modeling: Half a century of runoff from four rivers in the Blue Nile Basin. <i>Water Resources Research</i> , 2013 , 49, 3842-3851	5.4	28
130	Distribution of soil moisture and groundwater levels at patch and catchment scales. <i>Agricultural and Forest Meteorology</i> , 1999 , 98-99, 305-324	5.8	28
129	Information content of stream level class data for hydrological model calibration. <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 4895-4905	5.5	27
128	Irrigania 🖟 web-based game about sharing water resources. <i>Hydrology and Earth System Sciences</i> , 2012 , 16, 2523-2530	5.5	27
127	Water storage in a till catchment. I: Distributed modelling and relationship to runoff. <i>Hydrological Processes</i> , 2011 , 25, 3937-3949	3.3	27
126	Streamflow characteristics from modeled runoff time series [Importance of calibration criteria selection. <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 5443-5457	5.5	26
125	Modelling rating curves using remotely sensed LiDAR data. <i>Hydrological Processes</i> , 2012 , 26, 1427-1434	3.3	26
124	Evaporation and storage of intercepted rain analysed by comparing two models applied to a boreal forest. <i>Agricultural and Forest Meteorology</i> , 1999 , 98-99, 595-604	5.8	26
123	Pre-event water contributions to runoff events of different magnitude in pre-alpine headwaters 2017 , 48, 28-47		25
122	Predictability of low flow flow flow the assessment with simulation experiments. <i>Journal of Hydrology</i> , 2014 , 519, 1383-1393	6	25
121	Quantifying sensitivity to droughts han experimental modeling approach. <i>Hydrology and Earth System Sciences</i> , 2015 , 19, 1371-1384	5.5	25
120	Seasonal and runoff-related changes in total organic carbon concentrations in the River Ee, Northern Sweden. <i>Aquatic Sciences</i> , 2008 , 70, 21-29	2.5	25
119	Effective precipitation duration for runoff peaks based on catchment modelling. <i>Journal of Hydrology</i> , 2018 , 556, 510-522	6	25
118	Is groundwater response timing in a pre-alpine catchment controlled more by topography or by rainfall?. <i>Hydrological Processes</i> , 2016 , 30, 1036-1051	3.3	24
117	Continuous long-term measurements of soilplantatmosphere variables at an agricultural site. Agricultural and Forest Meteorology, 1999 , 98-99, 75-102	5.8	24

The assumption of uniform specific discharge: unsafe at any time?. Hydrological Processes, 2016, 30, 3978, 398824 116 Prediction of hydrographs and flow-duration curves in almost ungauged catchments: Which runoff 6 115 23 measurements are most informative for model calibration?. Journal of Hydrology, 2017, 554, 613-622 HELPing FRIENDs in PUBs: charting a course for synergies within international water research 114 3.3 23 programmes in gauged and ungauged basins. Hydrological Processes, 2006, 20, 1867-1874 Hydrological Modeling to Evaluate Climate Model Simulations and Their Bias Correction. Journal of 113 3.7 Hydrometeorology, **2018**, 19, 1321-1337 Toward catchment hydro-biogeochemical theories. Wiley Interdisciplinary Reviews: Water, 2021, 8, e1495_{5.7} 112 22 Synthetic design hydrographs for ungauged catchments: a comparison of regionalization methods. 111 3.5 21 Stochastic Environmental Research and Risk Assessment, 2018, 32, 1993-2023 Tracer Hydrology **2011**, 215-236 110 21 New Approach to the Measurement of Interception Evaporation. Journal of Atmospheric and 109 2 21 Oceanic Technology, 1997, 14, 1023-1035 Nitrogen source apportionment modeling and the effect of land-use class related runoff 108 21 contributions **2007**, 38, 317-331 Your work is my boundary condition!. Journal of Hydrology, 2019, 571, 235-243 6 107 21 Testing the Waters: Mobile Apps for Crowdsourced Streamflow Data. Eos, 2018, 99, 106 1.5 21 Magic components why quantifying rain, snowmelt, and icemelt in river discharge is not easy. 105 3.3 21 Hydrological Processes, **2018**, 32, 160-166 Technical note: Representing glacier geometry changes in a semi-distributed hydrological model. 104 5.5 21 Hydrology and Earth System Sciences, 2018, 22, 2211-2224 Sensing with boots and trousers qualitative field observations of shallow soil moisture patterns. 103 3.3 20 *Hydrological Processes*, **2012**, 26, 4112-4120 Ensemble modelling of nitrogen fluxes: data fusion for a Swedish meso-scale catchment. Hydrology 102 5.5 20 and Earth System Sciences, **2010**, 14, 2383-2397 Test of statistical means for the extrapolation of soil depth point information using overlays of spatial environmental data and bootstrapping techniques. Hydrological Processes, 2009, 23, 3017-3029 3.320 Reducing systematic errors in rainfall measurements using a new type of gauge. Agricultural and 100 5.8 20 Forest Meteorology, 1999, 98-99, 341-348 Global Fully Distributed Parameter Regionalization Based on Observed Streamflow From 4,229 99 20 Headwater Catchments. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031485

98	How informative are stream level observations in different geographic regions?. <i>Hydrological Processes</i> , 2016 , 30, 2498-2508	3.3	20
97	The role of landscape properties, storage and evapotranspiration on variability in streamflow recessions in a boreal catchment. <i>Journal of Hydrology</i> , 2019 , 570, 315-328	6	20
96	The CrowdWater game: Alþlayful way to improve the accuracy of crowdsourced water level class data. <i>PLoS ONE</i> , 2019 , 14, e0222579	3.7	19
95	The long-term hydrology of East Africal water tower: statistical change detection in the watersheds of the Abbay Basin. <i>Regional Environmental Change</i> , 2014 , 14, 321-331	4.3	19
94	Is bias correction of Regional Climate Model (RCM) simulations possible for non-stationary conditions?		19
93	Sub-daily runoff predictions using parameters calibrated on the basis of data with a daily temporal resolution. <i>Journal of Hydrology</i> , 2017 , 550, 399-411	6	18
92	Hydrological model calibration with uncertain discharge data. Hydrological Sciences Journal, 2020, 1-16	3.5	18
91	Bivariate analysis of floods in climate impact assessments. <i>Science of the Total Environment</i> , 2018 , 616-617, 1392-1403	10.2	18
90	Calculating terrain indices along streams: A new method for separating stream sides. <i>Water Resources Research</i> , 2010 , 46,	5.4	18
89	Can a regionalized model parameterisation be improved with a limited number of runoff measurements?. <i>Journal of Hydrology</i> , 2015 , 529, 49-61	6	17
88	Crowd-Based Observations of Riverine Macroplastic Pollution. Frontiers in Earth Science, 2020, 8,	3.5	17
87	Citizens AND HYdrology (CANDHY): conceptualizing a transdisciplinary framework for citizen science addressing hydrological challenges. <i>Hydrological Sciences Journal</i> , 2021 , 1-18	3.5	17
86	True colors Lexperimental identification of hydrological processes at a hillslope prone to slide. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 875-892	5.5	16
85	Using landscape characteristics to define an adjusted distance metric for improving kriging interpolations. <i>International Journal of Geographical Information Science</i> , 2010 , 24, 723-740	4.1	16
84	Understanding conditions behind speleothem formation in Korallgrottan, northwestern Sweden. Journal of Hydrology, 2007 , 347, 13-22	6	16
83	The role of soil pH in linking groundwater flow and plant species density in boreal forest landscapes. <i>Ecography</i> , 2006 , 29, 515-524	6.5	16
82	Hydrological change modeling: Challenges and opportunities. <i>Hydrological Processes</i> , 2016 , 30, 4966-49	7313	16
81	Progressive water deficits during multiyear droughts in basins with long hydrological memory in Chile. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 429-446	5.5	16

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80	Value of uncertain streamflow observations for hydrological modelling. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 5243-5257	5.5	16	
79	Rapid transformation of inorganic to organic and plant-available phosphorous in soils of a glacier forefield. <i>Geoderma</i> , 2012 , 189-190, 215-226	6.7	15	
78	Preface "Hydrology education in a changing world". <i>Hydrology and Earth System Sciences</i> , 2013 , 17, 1393-1399	5.5	15	
77	When should stream water be sampled to be most informative for event-based, multi-criteria model calibration? 2017 , 48, 1566-1584		14	
76	Water storage dynamics in a till hillslope: the foundation for modeling flows and turnover times. <i>Hydrological Processes</i> , 2017 , 31, 4-14	3.3	14	
75	Distributed conceptual modelling in a Swedish lowland catchment: a multi-criteria model assessment 2013 , 44, 318-333		14	
74	Conceptual Modelling to Assess Hydrological Impacts and Evaluate Environmental Flow Scenarios in Montane River Systems Regulated for Hydropower. <i>River Research and Applications</i> , 2015 , 31, 1066-1	0 2 8₹	13	
73	Measuring the significance of a divide to local drainage patterns. <i>International Journal of Geographical Information Science</i> , 2013 , 27, 1453-1468	4.1	13	
72	Runoff generation in a pre-alpine catchment: A discussion between a tracer and a shallow groundwater hydrologist. <i>Cuadernos De Investigacion Geografica</i> , 2018 , 44, 429	2.5	13	
71	Aqua temporaria incognita. <i>Hydrological Processes</i> , 2020 , 34, 5704-5711	3.3	12	
70	Flood-type trend analysis for alpine catchments. <i>Hydrological Sciences Journal</i> , 2020 , 65, 1281-1299	3.5	12	
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