

Jan Seibert

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

241
papers

13,988
citations

62
h-index

111
g-index

305
ext. papers

15,842
ext. citations

4.6
avg, IF

7
L-index

#	Paper	IF	Citations
241	Hydrological Impacts of Projected Climate Change on Northern Tunisian Headwater Catchments: An Ensemble Approach Addressing Uncertainties. <i>Climate Change Management</i> , 2022 , 499-519	0.6	0
240	Hydrological trends and the evolution of catchment research in the Alptal valley, central Switzerland. <i>Hydrological Processes</i> , 2021 , 35, e14113	3.3	1
239	The Maimai M8 experimental catchment database: Forty years of process-based research on steep, wet hillslopes. <i>Hydrological Processes</i> , 2021 , 35, e14112	3.3	1
238	Hydrological response to warm and dry weather: do glaciers compensate?. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 3245-3265	5.5	4
237	Gauging ungauged catchments: Active learning for the timing of point discharge observations in combination with continuous water level measurements. <i>Journal of Hydrology</i> , 2021 , 598, 126448	6	5
236	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
235	Toward catchment hydro-biogeochemical theories. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021 , 8, e14955.7	5.7	22
234	Snow and ice in the hydrosphere 2021 , 93-135		1
233	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
232	Regionalization for Ungauged Catchments: Lessons Learned From a Comparative Large-Sample Study. <i>Water Resources Research</i> , 2021 , 57, e2021WR030437	5.4	1
231	Representation of Bi-Directional Fluxes Between Groundwater and Surface Water in a Bucket-Type Hydrological Model. <i>Water Resources Research</i> , 2021 , 57, e2020WR028835	5.4	
230	Effect of DEM-smoothing and -aggregation on topographically-based flow directions and catchment boundaries. <i>Journal of Hydrology</i> , 2021 , 602, 126717	6	4
229	Aqua temporaria incognita. <i>Hydrological Processes</i> , 2020 , 34, 5704-5711	3.3	12
228	Effects of Spatial Variability in the Groundwater Isotopic Composition on Hydrograph Separation Results for a Pre-Alpine Headwater Catchment. <i>Water Resources Research</i> , 2020 , 56, e2019WR026855	5.4	3
227	Sensitivity of discharge projections to potential evapotranspiration estimation in Northern Tunisia. <i>Regional Environmental Change</i> , 2020 , 20, 1	4.3	6
226	Do stream water solute concentrations reflect when connectivity occurs in a small, pre-Alpine headwater catchment?. <i>Hydrology and Earth System Sciences</i> , 2020 , 24, 3381-3398	5.5	6
225	Hydrological model calibration with uncertain discharge data. <i>Hydrological Sciences Journal</i> , 2020 , 1-16	3.5	18

224	Flood prediction using parameters calibrated on limited discharge data and uncertain rainfall scenarios. <i>Hydrological Sciences Journal</i> , 2020 , 65, 1512-1524	3.5	5
223	Flood-type trend analysis for alpine catchments. <i>Hydrological Sciences Journal</i> , 2020 , 65, 1281-1299	3.5	12
222	The CH-IRP data set: a decade of fortnightly data on $\delta^{18}O$ and $\delta^{15}N$ in streamflow and precipitation in Switzerland. <i>Earth System Science Data</i> , 2020 , 12, 3057-3066	10.5	
221	Training citizen scientists through an online game developed for data quality control. <i>Geoscience Communication</i> , 2020 , 3, 109-126	0.7	3
220	Risks and opportunities for a Swiss hydroelectricity company in a changing climate. <i>Hydrology and Earth System Sciences</i> , 2020 , 24, 3815-3833	5.5	4
219	Assessing the degree of detail of temperature-based snow routines for runoff modelling in mountainous areas in central Europe. <i>Hydrology and Earth System Sciences</i> , 2020 , 24, 4441-4461	5.5	10
218	Downsizing parameter ensembles for simulations of rare floods. <i>Natural Hazards and Earth System Sciences</i> , 2020 , 20, 3521-3549	3.9	6
217	Value of Crowd-Based Water Level Class Observations for Hydrological Model Calibration. <i>Water Resources Research</i> , 2020 , 56, e2019WR026108	5.4	11
216	Glacio-hydrological model calibration and evaluation. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020 , 7, e1483	4.3	5
215	Global Fully Distributed Parameter Regionalization Based on Observed Streamflow From 4,229 Headwater Catchments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031485	4.4	20
214	Crowd-Based Observations of Riverine Macroplastic Pollution. <i>Frontiers in Earth Science</i> , 2020 , 8,	3.5	17
213	Quality and timing of crowd-based water level class observations. <i>Hydrological Processes</i> , 2020 , 34, 4365-4378	3.9	8
212	Accuracy of crowdsourced streamflow and stream level class estimates. <i>Hydrological Sciences Journal</i> , 2020 , 65, 823-841	3.5	12
211	Robustness of flood-model calibration using single and multiple events. <i>Hydrological Sciences Journal</i> , 2020 , 65, 842-853	3.5	6
210	The CrowdWater game: A playful way to improve the accuracy of crowdsourced water level class data. <i>PLoS ONE</i> , 2019 , 14, e0222579	3.7	19
209	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. <i>Hydrological Sciences Journal</i> , 2019 , 64, 1141-1158	3.5	259
208	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
207	Validation and Over-Parameterization Experiences from Hydrological Modeling. <i>Simulation Foundations, Methods and Applications</i> , 2019 , 811-834	0.6	8

206	What is the best time to take stream isotope samples for event-based model calibration?. <i>Journal of Hydrology</i> , 2019 , 577, 123950	6	4
205	Assessing the Sampling Quality of a Low-Tech Low-Budget Volume-Based Rainfall Sampler for Stable Isotope Analysis. <i>Frontiers in Earth Science</i> , 2019 , 7,	3.5	6
204	Your work is my boundary condition!. <i>Journal of Hydrology</i> , 2019 , 571, 235-243	6	21
203	Hydrological Modeling of Climate Change Impacts 2019 , 1-20		7
202	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
201	Virtual Staff Gauges for Crowd-Based Stream Level Observations. <i>Frontiers in Earth Science</i> , 2019 , 7,	3.5	37
200	Value of a Limited Number of Discharge Observations for Improving Regionalization: A Large-Sample Study Across the United States. <i>Water Resources Research</i> , 2019 , 55, 363-377	5.4	12
199	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
198	Upper and lower benchmarks in hydrological modelling. <i>Hydrological Processes</i> , 2018 , 32, 1120-1125	3.3	54
197	Synthetic design hydrographs for ungauged catchments: a comparison of regionalization methods. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018 , 32, 1993-2023	3.5	21
196	Identification of Flood Reactivity Regions via the Functional Clustering of Hydrographs. <i>Water Resources Research</i> , 2018 , 54, 1852-1867	5.4	10
195	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
194	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
193	Representative sets of design hydrographs for ungauged catchments: A regional approach using probabilistic region memberships. <i>Advances in Water Resources</i> , 2018 , 112, 235-244	4.7	11
192	Definitions of climatological and discharge days: do they matter in hydrological modelling?. <i>Hydrological Sciences Journal</i> , 2018 , 63, 836-844	3.5	6
191	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
190	Bivariate analysis of floods in climate impact assessments. <i>Science of the Total Environment</i> , 2018 , 616-617, 1392-1403	10.2	18
189	Hydrological Modeling to Evaluate Climate Model Simulations and Their Bias Correction. <i>Journal of Hydrometeorology</i> , 2018 , 19, 1321-1337	3.7	22

188	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
187	Historical glacier outlines from digitized topographic maps of the Swiss Alps. <i>Earth System Science Data</i> , 2018 , 10, 805-814	10.5	9
186	Testing the Waters: Mobile Apps for Crowdsourced Streamflow Data. <i>Eos</i> , 2018 , 99,	1.5	21
185	Effective precipitation duration for runoff peaks based on catchment modelling. <i>Journal of Hydrology</i> , 2018 , 556, 510-522	6	25
184	Magic components Why quantifying rain, snowmelt, and icemelt in river discharge is not easy. <i>Hydrological Processes</i> , 2018 , 32, 160-166	3.3	21
183	Value of uncertain streamflow observations for hydrological modelling. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 5243-5257	5.5	16
182	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
181	Effect of Observation Errors on the Timing of the Most Informative Isotope Samples for Event-Based Model Calibration. <i>Hydrology</i> , 2018 , 5, 4	2.8	2
180	Technical note: Representing glacier geometry changes in a semi-distributed hydrological model. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 2211-2224	5.5	21
179	Impact of social preparedness on flood early warning systems. <i>Water Resources Research</i> , 2017 , 53, 522-534	5.4	37
178	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
177	Pre-event water contributions to runoff events of different magnitude in pre-alpine headwaters 2017 , 48, 28-47		25
176	Catchment water storage variation with elevation. <i>Hydrological Processes</i> , 2017 , 31, 2000-2015	3.3	72
175	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
174	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
173	When should stream water be sampled to be most informative for event-based, multi-criteria model calibration? 2017 , 48, 1566-1584		14
172	Flood type specific construction of synthetic design hydrographs. <i>Water Resources Research</i> , 2017 , 53, 1390-1406	5.4	47
171	Prediction of hydrographs and flow-duration curves in almost ungauged catchments: Which runoff measurements are most informative for model calibration?. <i>Journal of Hydrology</i> , 2017 , 554, 613-622	6	23

170	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
169	Utilization of Global Precipitation Datasets in Data Limited Regions: A Case Study of Kilombero Valley, Tanzania. <i>Atmosphere</i> , 2017 , 8, 246	2.7	3
168	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
167	Soil moisture storage estimation based on steady vertical fluxes under equilibrium. <i>Journal of Hydrology</i> , 2017 , 553, 798-804	6	3
166	Snow redistribution for the hydrological modeling of alpine catchments. <i>Wiley Interdisciplinary Reviews: Water</i> , 2017 , 4, e1232	5.7	43
165	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
164	The Role of Prosocialness and Trust in the Consumption of Water as a Limited Resource. <i>Frontiers in Psychology</i> , 2017 , 8, 694	3.4	4
163	Assessing the benefit of snow data assimilation for runoff modeling in Alpine catchments. <i>Hydrology and Earth System Sciences</i> , 2016 , 20, 3895-3905	5.5	39
162	Change in streamflow response in unregulated catchments in Sweden over the last century. <i>Water Resources Research</i> , 2016 , 52, 5847-5867	5.4	3
161	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
160	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
159	Learning about water resource sharing through game play. <i>Hydrology and Earth System Sciences</i> , 2016 , 20, 4079-4091	5.5	7
158	The assumption of uniform specific discharge: unsafe at any time?. <i>Hydrological Processes</i> , 2016 , 30, 3978-3988	3.3	24
157	How informative are stream level observations in different geographic regions?. <i>Hydrological Processes</i> , 2016 , 30, 2498-2508	3.3	20
156	Landscape controls on spatiotemporal discharge variability in a boreal catchment. <i>Water Resources Research</i> , 2016 , 52, 6541-6556	5.4	46
155	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
154	Influence of hydro-meteorological data spatial aggregation on streamflow modelling. <i>Journal of Hydrology</i> , 2016 , 541, 1212-1220	6	10
153	Hydrological change modeling: Challenges and opportunities. <i>Hydrological Processes</i> , 2016 , 30, 4966-4973	3.3	16

152	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
151	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
150	Snow and Ice in the Hydrosphere 2015 , 99-137		10
149	A primer for hydrology: the beguiling simplicity of Water's journey from rain to stream at 30. <i>Hydrological Processes</i> , 2015 , 29, 3443-3446	3.3	2
148	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
147	Gauging the Ungauged Basin: Relative Value of Soft and Hard Data. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20,	1.8	40
146	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, 1066-1081	2.3	13
145	Accelerating advances in continental domain hydrologic modeling. <i>Water Resources Research</i> , 2015 , 51, 10078-10091	5.4	70
144	Flood-type classification in mountainous catchments using crisp and fuzzy decision trees. <i>Water Resources Research</i> , 2015 , 51, 7959-7976	5.4	56
143	Hillslope-riparian-stream connectivity and flow directions at the Panola Mountain Research Watershed. <i>Hydrological Processes</i> , 2015 , 29, 3556-3574	3.3	40
142	Comparison of threshold hydrologic response across northern catchments. <i>Hydrological Processes</i> , 2015 , 29, 3575-3591	3.3	39
141	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
140	Contributing sources to baseflow in pre-alpine headwaters using spatial snapshot sampling. <i>Hydrological Processes</i> , 2015 , 29, 5321-5336	3.3	35
139	Quantifying sensitivity to droughts in an experimental modeling approach. <i>Hydrology and Earth System Sciences</i> , 2015 , 19, 1371-1384	5.5	25
138	Model Calibration Criteria for Estimating Ecological Flow Characteristics. <i>Water (Switzerland)</i> , 2015 , 7, 2358-2381	3	37
137	Qualitative soil moisture assessment in semi-arid Africa the role of experience and training on inter-rater reliability. <i>Hydrology and Earth System Sciences</i> , 2015 , 19, 3505-3516	5.5	3
136	Does model performance improve with complexity? A case study with three hydrological models. <i>Journal of Hydrology</i> , 2015 , 523, 147-159	6	100
135	Analysis of hydrological seasonality across northern catchments using monthly precipitation-runoff polygon metrics. <i>Hydrological Sciences Journal</i> , 2014 , 59, 56-72	3.5	4

134	A drought index accounting for snow. <i>Water Resources Research</i> , 2014 , 50, 7861-7872	5-4	55
133	Predictability of low flow – An assessment with simulation experiments. <i>Journal of Hydrology</i> , 2014 , 519, 1383-1393	6	25
132	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
131	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
130	True colors – Experimental identification of hydrological processes at a hillslope prone to slide. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 875-892	5-5	16
129	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
128	Bias correction for hydrological impact studies – beyond the daily perspective. <i>Hydrological Processes</i> , 2014 , 28, 4823-4828	3-3	33
127	The long-term hydrology of East Africa’s water tower: statistical change detection in the watersheds of the Abbay Basin. <i>Regional Environmental Change</i> , 2014 , 14, 321-331	4-3	19
126	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
125	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
124	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
123	Distributed conceptual modelling in a Swedish lowland catchment: a multi-criteria model assessment 2013 , 44, 318-333		14
122	Catchments on the cusp? Structural and functional change in northern ecohydrology. <i>Hydrological Processes</i> , 2013 , 27, 766-774	3-3	49
121	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
120	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
119	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
118	Preface “Hydrology education in a changing world”. <i>Hydrology and Earth System Sciences</i> , 2013 , 17, 1393-1399	5-5	15
117	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

116	Sensing with boots and trousers Qualitative field observations of shallow soil moisture patterns. <i>Hydrological Processes</i> , 2012 , 26, 4112-4120	3.3	20
115	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
114	Specific discharge variability in a boreal landscape. <i>Water Resources Research</i> , 2012 , 48,	5.4	50
113	On the risk of obtaining misleading results by pooling streamflow data for trend analyses. <i>Water Resources Research</i> , 2012 , 48,	5.4	4
112	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
111	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
110	Irrigania A web-based game about sharing water resources. <i>Hydrology and Earth System Sciences</i> , 2012 , 16, 2523-2530	5.5	27
109	Modelling rating curves using remotely sensed LiDAR data. <i>Hydrological Processes</i> , 2012 , 26, 1427-1434	3.3	26
108	Hydroclimatic and hydrochemical controls on Plecoptera diversity and distribution in northern freshwater ecosystems. <i>Hydrobiologia</i> , 2012 , 693, 39-53	2.4	8
107	Soil Information in Hydrologic Models 2012 , 515-536		7
106	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
105	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
104	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
103	Tracer Hydrology 2011 , 215-236		21
102	Calibration of hydrological models using flow-duration curves. <i>Hydrology and Earth System Sciences</i> , 2011 , 15, 2205-2227	5.5	165
101	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
100	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
99	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

98	Groundwater dynamics in a till hillslope: flow directions, gradients and delay. <i>Hydrological Processes</i> , 2011 , 25, 1899-1909	3-3	30
97	Water storage in a till catchment. I: Distributed modelling and relationship to runoff. <i>Hydrological Processes</i> , 2011 , 25, 3937-3949	3-3	27
96	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
95	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
94	Multi-model data fusion as a tool for PUB: example in a Swedish mesoscale catchment. <i>Advances in Geosciences</i> , 2011 , 29, 43-50		4
93	Preface "Towards holistic studies of the Earth's Critical Zone: hydrogeology perspectives". <i>Hydrology and Earth System Sciences</i> , 2010 , 14, 479-480	5-5	2
92	Ensemble modelling of nitrogen fluxes: data fusion for a Swedish meso-scale catchment. <i>Hydrology and Earth System Sciences</i> , 2010 , 14, 2383-2397	5-5	20
91	Effects of wildfire on catchment runoff response: a modelling approach to detect changes in snow-dominated forested catchments 2010 , 41, 378-390		55
90	Calculating terrain indices along streams: A new method for separating stream sides. <i>Water Resources Research</i> , 2010 , 46,	5-4	18
89	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
88	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
87	On the value of glacier mass balances for hydrological model calibration. <i>Journal of Hydrology</i> , 2010 , 385, 238-246	6	92
86	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
85	Controls on snowmelt water mean transit times in northern boreal catchments. <i>Hydrological Processes</i> , 2010 , 24, 1672-1684	3-3	52
84	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
83	Inter-comparison of hydro-climatic regimes across northern catchments: synchronicity, resistance and resilience. <i>Hydrological Processes</i> , 2010 , 24, 3591-3602	3-3	88
82	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
81	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

80	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
79	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
78	Stable oxygen and hydrogen isotopes in sub-Arctic lake waters from northern Sweden. <i>Journal of Hydrology</i> , 2009 , 376, 143-151	6	60
77	How does landscape structure influence catchment transit time across different geomorphic provinces?. <i>Hydrological Processes</i> , 2009 , 23, 945-953	3.3	182
76	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
75	Test of statistical means for the extrapolation of soil depth point information using overlays of spatial environmental data and bootstrapping techniques. <i>Hydrological Processes</i> , 2009 , 23, 3017-3029	3.3	20
74	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
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